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Agricultural Experiment Station
University of Kentucky

Analyses of Commercial Fertilizers

BULLETIN NO. 256



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BULLETIN NO. 256

Analyses of Commercial Fertilizers

By H. E. CURTIS, H. R. ALLEN AND LELAH GAULT

This Bulletin gives the names of all brands of fertilizer registered in this State during the year 1924, the names of the manufacturers, and the official analyses.

Those interested in the use of fertilizers for different crops should apply to the College of Agriculture, the Experiment Station, or to their County Agent, and such literature as bears on the subject in which they are interested will be furnished. Bulletin No. 228 of the Experiment Station, showing the results obtained on the soil experiment fields, is of special interest to all users of fertilizers.

Samples Analyzed

There were registered during the year a total of 728 brands of fertilizer as follows:

Complete fertilizers, containing all three of the essential ingredients—phosphoric acid, nitrogen and potash	408 brands
Nitrogenous superphosphates	79 brands
Acid phosphate and potash mixtures.....	62 brands
Acid phosphates	116 brands
Bones, tankage, etc.	51 brands
Nitrate of soda	7 brands
Ammonium sulfate	2 brands
Potash salts	3 brands

There were 794 samples of fertilizer collected by our inspectors and sent in by various persons in the State, which have been analyzed, in addition to the official samples. These analyses are to be found in the following pages, and have been divided into two groups—The first group, Table I, contains all analyses that are considered satisfactory, either because the analyses run high in all respects, or the deficiency in one ingredient is fully met by the excess in another. The second group, Table II, contains those analyses that are considered deficient.

As has been our custom in the past, we have shown an index of relative value for the purpose of comparison. The following factors have been used in computing these values:

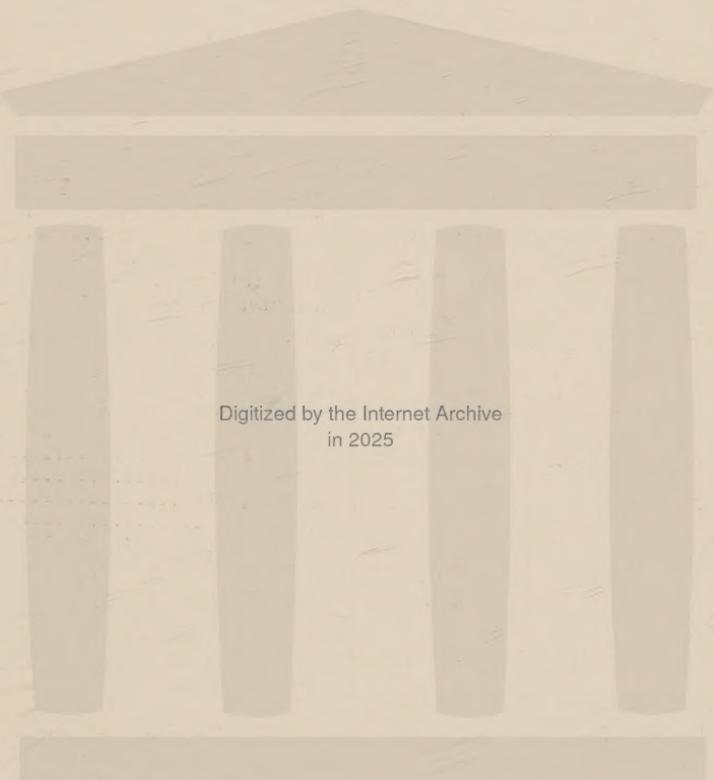
Available phosphoric acid in mixed fertilizers.....	1.5
Available phosphoric acid in acid phosphates.....	1.2
Insoluble phosphoric acid in mixed fertilizers.....	0.4
Phosphoric acid in bone	0.8
Nitrogen in all fertilizers	5.0
Potash in all fertilizers	2.0

Explanation of the Tables

In the tables of analyses, following the name of each brand, will be found the analyses of such samples as have been collected by our inspectors, sent in by farmers, or furnished by the manufacturers, and the manufacturer's guaranty, printed last in italic figures. In Table II the figures set in bold face type are those results which are considered too low to be acceptable. In a number of cases the same brand of fertilizer will be found in both Tables, I and II—in which case they are marked in each table with a (†) dagger.

In Table I there are a number of analyses that, notwithstanding they are considered good enough to be placed in Table I, have objectionable features to which we desire to call attention: There are quite a number of cases where the potash is guaranteed from sulfate and the analyses made of some of these brands show the potash to be from muriate, no sulfate whatever having been used. Four or five companies have too many analyses of this class.

It will be noticed in Table II that a large number of analyses have been put into this table on account of the deficiency in total phosphoric acid. This comes from attempting to show a large amount of insoluble phosphoric acid in addition to the guaranty of available phosphoric acid, and, on account of this tendency to show a larger per cent of insoluble phosphoric acid than the goods contain, it has been deemed advisable to classify them among the deficient brands of fertilizer, hoping in this manner to induce the manufacturer to change these large guarantees of 4% or 5% insoluble phosphoric acid to 1% or 2%.



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TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
66726	A. D. Adair and McCarty Bros., Inc., Atlanta, Ga. and Chattanooga, Tenn. Adair's Soluble Pacific Guano	Manufacturer Guaranteed
66727	Adair's Ammoniated Dissolved Bone	Manufacturer Guaranteed
66728	A. and M. High Grade Complete Fertilizer No. 765	Manufacturer Guaranteed
66729	A. and M. High Grade Potash Compound	Manufacturer Guaranteed
67122	A. and M. High Grade Phosphate No. 16	Manufacturer Guaranteed
67383		
66731	A. and M. Lime-Phosphate Mixture	Hill Hardware Co., Bowling Green Young Hardware Co., Hopkinsville
67038	A. and M. High Grade Blood, Bone, Tankage Guano	Guaranteed
67039	A. and M. Old Glory Mixture	Manufacturer
67384	A. and M. Standard Tobacco Grower	Guaranteed
67385		
67386	A. and M. High Grade Tobacco Grower	Wilson, Winn and Co., Russellville Yopp Seed Co., Paducah
67387	A. and M. Special Tobacco Grower.	Guaranteed
67388	Alabama Chemical Co. of Alabama, Montgomery, Ala. Red Cross Tobacco Special	J. M. Johnson, Benton
67389	Cayce's Tobacco Formula	Guaranteed
67697	Red Cross Acid Phosphate	Cayce-Yost Co., Hopkinsville
67698		
67699		
67125	The American Agricultural Chem. Co., Inc., Cincinnati, O. †A. A. C. Ky. Tobacco Grower	Madison County Farm Bureau, Rich- mond
		Farm Bureau, Elizabethtown
		Guaranteed
		Mayhew and Gilbert, Franklin
		Guaranteed

TABLE I.

PHOSPHORIC ACID	PERCENTAGE OF FINENESS			NITROGEN			EQUIVALENT TO AMMONIA	POTASH	INDEX OF RELATIVE VALUE	STATION NUMBER
	AVAILABLE	INSOLUBLE	TOTAL	FINE BONE	WATER SOLUBLE	TOTAL		MURATE	SULFATE	
Medium Bone										
11.25	1.90	13.15		1.34	1.75	2.12	2.24		30.9	66726
10.00					1.65	2.00	2.00		27.3	
8.50	1.30	9.80		1.51	2.16	2.62	2.58		29.2	66727
8.00					1.65	2.00	2.00		24.3	
6.30	0.45	6.75		5.71	6.54	7.94	4.78		51.9	66728
7.00					4.94	6.00	5.00		45.2	
11.85	1.90	13.75		*			5.04		28.6	66729
10.00							4.00		23.0	
18.60	2.00	20.60							22.3	67122
18.60	1.20	19.80							22.3	67383
16.00									19.2	
13.00	2.20	15.20							15.6	66731
13.00									15.6	
11.80	1.30	13.10		1.68	2.52	3.06	3.13		37.1	67038
10.00					2.47	3.00	3.00		33.4	
9.10	0.80	9.90		1.08	1.71	2.08	3.28		29.1	67039
9.00					1.65	2.00	3.00		27.8	
9.90	1.90	11.80		1.31	2.04	2.48	2.76		31.3	67384
9.70	2.50	12.20		1.25	1.90	2.31	2.23		29.5	67385
8.00					1.65	2.00	2.00		24.3	
8.50	1.10	9.60		1.39	2.09	2.54	5.19		34.0	67386
8.00					2.47	3.00	5.00		34.4	
9.40	1.80	11.20		0.89	1.75	2.12	4.38		32.3	67387
8.00					1.65	2.00	4.00		28.3	
9.70	2.70	12.40		2.53	2.53	3.07	3.85		35.9	67388
10.00	1.00	11.00			2.47	3.00	3.00		33.8	
8.10	1.70	9.80		2.47	2.47	3.00	7.34		39.9	67389
8.00	1.00	9.00			2.47	3.00	6.00		36.8	
17.15	0.40	17.55							20.6	67697
17.25	0.30	17.55							20.7	67698
16.80	0.25	17.05							20.2	67699
16.00	0.50	16.50							19.2	
8.50	1.70	10.20		1.24	1.59	1.93	2.37		26.1	67125
8.00	4.00	12.00			1.65	2.00	2.00		25.9	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The American Agricultural Chem. Co., Inc.	
67126	A. A. C. Ground Bone	W. G. Wesley, Science Hill.....
67127		Hill Hardware Co., Bowling Green.....
67701		Burk Bros. and Edwards, Upton.....
67702		Woodson Lewis and Son, Greensburg.....
67898		Sam Terry, Big Clifty
66490	A. A. C. High Grade Bone and Potash	Guaranteed
67128	A. A. C. Basic Lime Phosphate (containing 30% lime)	Manufacturer
		Guaranteed
67129		Brownlee, Kennedy and Crutcher, Munfordville
67130		Hoy McClure, Somerset
67703		T. E. Richardson, Campbellsville
67704		Skidmore, Spencer Hdw. Co., Elizabethtown
66808	A. A. C. Corn and Cotton Grower	I. G. Aldridge, Dixon
67131	Bowker's Soluble Bone	Guaranteed
67132		Manufacturer
67133	Bowker's 16% Acid Phosphate	Guaranteed
67134		Gooch and Payne, Eubank
67135		T. E. Richardson, Campbellsville
67705		Guaranteed
67706		Gooch and Payne, Eubank
67707		Mayhew and Gilbert, Franklin
67390	Bowker's Fish Guano	Estes and Hines, Science Hill
67137	+Bowker's Corn and Wheat Phosphate	J. H. Schoolcraft, Somerset
67139	+Bowker's Grain and Grass Grower	T. E. Richardson, Campbellsville
67392		Rupert Devasher, Glasgow
		Guaranteed
67394	+Bowker's High Grade Tobacco Grower	Harvey Stout and Son, Buechel
67141	Bowker's Potash Fertilizer	Guaranteed
67709		J. H. Twyford, Monticello
67143	+Bowker's Tobacco Grower	Guaranteed
		John Riffe, Hustonville
		R. L. McFarlan, Mt. Vernon
		Guaranteed
		Johnson and Bags, Morehead
		Guaranteed
		J. L. Tabor, Bowling Green
		Rupert Devasher, Glasgow
		Guaranteed
		Gooch and Payne, Eubank
		Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		POTASH		Index of Relative Value	Station Number	
Available	Insoluble	Total	Fine	Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate		
		28.20	80	20	0.41	1.80	2.19			31.6	67126
		27.30	84	16	0.46	1.89	2.29			31.3	67127
		28.05	76	24	0.49	1.81	2.20			31.5	67701
		28.40	79	21		1.81	2.20			31.8	67702
		29.50	85	15		1.81	2.20			32.7	67898
		27.00				1.65	2.00			29.9	
10.15	1.20	11.35						2.12	2.93	25.8	66490
10.00	2.00	12.00						5.00		25.8	
13.40	2.60	16.00								16.1	67128
13.80	1.50	15.30								16.6	67129
13.40	1.50	14.90								16.1	67130
13.20	1.70	14.90								15.8	67703
13.60	1.80	15.40								16.3	67704
13.00	2.00	15.00								15.6	
12.25	1.50	13.75						2.15		31.9	66808
12.00	2.00	14.00						2.00		31.1	
15.00	1.80	16.80								18.0	67131
14.70	1.20	15.90								17.6	67132
14.00	2.00	16.00								16.8	
17.30	1.40	18.70								20.8	67133
16.80	1.70	18.50								20.2	67134
17.50	1.50	19.00								21.0	67135
17.50	1.55	19.05								21.0	67705
16.70	1.60	18.30								20.0	67706
17.40	1.40	18.80								20.9	67707
16.00	2.00	18.00								19.2	
8.95	1.10	10.05			0.67	0.91	1.10	3.13		24.7	67390
8.00	4.00	12.00				0.82	1.00	3.00		23.7	
10.60	1.40	12.00			0.74	0.95	1.15	1.12		23.5	67137
10.00	4.00	14.00				0.82	1.00	1.00		22.7	
9.10	1.60	10.70			1.31	1.77	2.15	2.67		28.5	67139
10.10	1.30	11.40			0.97	1.28	1.55	2.80		27.7	67392
8.00	4.00	12.00				1.65	2.00	2.00		25.9	
10.50	1.90	12.40			1.67	2.65	3.22	1.00	2.26	36.3	67394
10.00	4.00	14.00				2.47	3.00		3.00	35.0	
10.30	1.00	11.30							5.53	26.9	67141
10.30	1.35	11.65							5.06	26.2	67709
10.00	2.00	12.00							5.00	25.8	
8.50	1.50	10.00			1.36	1.68	2.04		4.66	31.1	67143
8.00	4.00	12.00				1.65	2.00		5.00	31.9	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The American Agricultural Chem. Co., Inc.	
66505	Bowker's 20% Acid Phosphate	Manufacturer
66508	Bradley's Soluble Dissolved Bone	Guaranteed
67396	Bradley's 16% Acid Phosphate	Manufacturer
66516	Bradley's 20% Acid Phosphate	Guaranteed
66517	Cleveland Dryer Works Horsehead Phosphate	Guaranteed
66518	Cleveland Dryer Works XXX Super-phosphate	Manufacturer
67147	Cleveland Dryer Works 16% Acid Phosphate	Guaranteed
67148		Green Wesley, Mangum
67397		Burk Bros. and Edwards, Upton
67398		Bank Taylor, Caneyville
		E. E. Brown, Livermore
66527	Cleveland Dryer Works 20% Acid Phosphate	Guaranteed
67710	Red Line Phosphate	Manufacturer
67711		Guaranteed
67399	Michigan Carbon Works 16% Acid Phosphate	S. G. Aldridge, Dixon
67400		Burk Brothers and Edwards, Upton
67712		Guaranteed
67713		Greenup Milling Co., Grayson
67714		Gross and Wiseman, Cecilia
67716	†Red Line Complete Manure	Lebanon Carriage and Implement Co., Lebanon
67403	†Michigan Carbon Works Corn and Wheat Phosphate	L. R. Cheff, Knifley
67151	†Homestead A Bone Black Fertilizer	Denton Hardware Co., Madisonville
67725		Guaranteed
67153	Homestead Tobacco and Truck Grower	Denton Hardware Co., Madisonville
67404		Guaranteed
67155	†Homestead Tobacco Grower	J. H. Campbell, Salt Lick
67726		Guaranteed
		Lebanon Implement Co., Lebanon
		W. S. Overstreet, La Grange
		Guaranteed
		E. S. Ferrill and Son, Buffalo
		W. T. Nunn, Horse Cave

TABLE I.

Available Phosphoric Acid	Insoluble	Total	Percentage of Fineness		Nitrogen		Potash		Index of Relative Value	Station Number
			Fine	Bone	Water Soluble	Total	Muriate	Sulfate		
20.10	2.00	22.10							24.1	66505
20.00	2.00	22.00							24.0	
14.45	1.85	16.30							17.3	66508
14.00	2.00	16.00							16.8	
16.95	1.45	18.40							20.3	67396
16.00	2.00	18.00							19.2	
20.10	2.00	22.10							24.1	66516
20.00	2.00	22.00							24.0	
10.25	1.40	11.65							12.3	66517
10.00	2.00	12.00							12.0	
14.45	1.85	16.30							17.3	66518
14.00	2.00	16.00							16.8	
17.70	1.10	18.80							21.2	67147
17.20	1.30	18.50							20.6	67148
16.40	1.10	17.50							19.7	67397
17.50	1.00	18.50							21.0	67398
16.00	2.00	18.00							19.2	
20.10	2.00	22.10							24.1	66527
20.00	2.00	22.00							24.0	
14.80	1.75	16.55							17.8	67710
14.75	1.60	16.35							17.7	67711
14.00	2.00	16.00							16.8	
16.90	1.30	18.20							20.3	67399
17.00	2.00	19.00							20.4	67400
16.85	1.75	18.60							20.2	67712
17.05	1.85	18.90							20.5	67713
17.25	1.75	19.00							20.7	67714
16.00	2.00	18.00							19.2	
9.25	0.80	10.05			0.97	0.97	1.18	1.41	21.9	67716
8.00	4.00	12.00				0.82	1.00	1.00	19.7	
10.60	1.40	12.00			0.67	0.92	1.12	1.05	23.2	67403
10.00	4.00	14.00				0.82	1.00	1.00	22.7	
9.60	0.90	10.50			1.17	1.97	2.39	1.69	28.0	67151
8.45	1.80	10.25			1.46	2.06	2.50	1.75	27.2	67725
8.00	4.00	12.00				2.06	2.50	1.50	26.9	
10.80	1.20	12.00			2.03	2.44	2.96	1.22	31.3	67153
11.10	1.10	12.20			2.12	2.53	3.07	1.08	31.9	67404
10.00	4.00	14.00				2.47	3.00	1.00	31.0	
10.10	2.00	12.10			1.38	2.56	3.11	3.21	35.2	67155
10.55	1.50	12.05			2.10	2.49	3.02	3.20	35.3	67726

TABLE I.

Number Station	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The American Agricultural Chem. Co., Inc.	
67727		Burk Bros. and Edwards, Upton.....
67405	Michigan Carbon Works High Pot- ash Phosphate	Guaranteed
67157		Geo. L. Gallum and Son, Russellville.....
67158	Homestead Potato and Tobacco Special	Skaggs and Nunn, Horse Cave.....
67406		Guaranteed
67407		Skaggs and Nunn, Horse Cave.....
66539	Michigan Carbon Works 20% Acid Phosphate	J. H. Campbell, Salt Lick.....
67162	N-W Horse Shoe Brand Square Deal Phosphate	A. B. Lander, Lafayette.....
67163	N-W Horse Shoe Brand 16% Acid Phosphate	Guaranteed
67164		Manufacturer
67165		Guaranteed
67728		Jno. R. Nelson, Eubank.....
67729		Guaranteed
67408	+N-W Horseshoe Br. Dark Tobacco Grower	Bryant Brothers, Whitley City.....
67899	+N-W Horseshoe Br. Corn and Wheat Phosphate	Woodson Lewis and Son, Greensburg.....
67410	N-W Horseshoe Br. Tobacco and Truck Grower	Jno. R. Nelson, Eubank.....
67168	N-W Horseshoe Br. High Grade Tobacco Grower	Woodson Lewis and Son, Greensburg.....
67411	N-W Horseshoe Br. 10-5 Potash Manure	E. S. Ferrill and Sons, Buffalo.....
66552	N-W Horseshoe Br. 20% Acid Phos- phate	Guaranteed
67169	N-W Horseshoe Br. Quick Acting Phosphate	T. J. Whittinghill, Fordsville.....
67732		Guaranteed
66555	Packer's Boar's Head Br. Soluble Phosphate	Sam Terry, Big Clifty.....
66556	Packer's Boar's Head Br. Gilt Edge Phosphate	Guaranteed
66557	Packer's Boar's Head Br. 16% Acid Phosphate	Geo. W. Hill and Co., Covington.....
		Guaranteed
		John R. Nelson, Eubank.....
		Guaranteed
		T. J. Whittinghill, Fordsville.....
		Guaranteed
		Manufacturer
		Guaranteed
		E. S. Ferrill and Sons, Buffalo.....
		Woodson Lewis and Son, Greensburg.....
		Guaranteed
		Manufacturer
		Guaranteed
		Manufacturer
		Guaranteed
		Manufacturer
		Guaranteed

TABLE I.

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
66565	The American Agricultural Chem. Co., Inc. Packer's Boar's Head Br. Potash Phosphate Fertilizer	Manufacturer Guaranteed
66567	Packer's Boar's Head Br. 20% Acid Phosphate	Manufacturer Guaranteed
67170	Armour Fertilizer Works, Louisville, Cincinnati, Nashville Big Crop 16% Acid Phosphate	Gid Dawes, Brady
67171		E. F. Pearson, Franklin.....
67172		Durham Implement Co., Danville.....
67733		J. W. Schoolcraft, Somerset.....
67734		The T. J. Turley Co., Owensboro.....
67735		Taylor County Supply Co., Campbellsville
67173	Big Crop 20% Acid Phosphate	Guaranteed
67414		J. W. Schoolcraft, Somerset.....
67415		Sweeney Bros., Lawrenceburg.....
67174	Armour's 1-8-1 Fertilizer	Lee Long, Bagdad.....
67175		Guaranteed
67176		J. W. Schoolcraft, Somerset.....
67736		G. R. Greider, Liberty.....
67177	† Armour's 1-12-1 Fertilizer	Cantrell and Penick, Greensburg.....
67416		J. W. Schoolcraft, Somerset.....
67737		Frank Henry, Horse Cave.....
67178	Armour's 2-8-2 Fertilizer	Walton Sanitary Flour Mill, Walton.....
67418		Frank C. Henry, Horse Cave.....
67419		Guaranteed
67738		Cantrell and Penick, Greensburg.....
67739		Q. F. Combs, Pembroke.....
66425	Armour's 2-12-0 Fertilizer	Sweeney Bros., Lawrenceburg.....
67179	Big Crop 2-12-2 Fertilizer	D. M. Brakefield, Adairville.....
67420		The T. J. Turley Co., Owensboro.....
67740		Guaranteed
67421	Big Crop 2-10-4 Fertilizer	Manufacturer
		Guaranteed
		Durham Implement Co., Danville.....
		Green Clay, Richmond.....
		W. W. Withers, Stanford.....
		Guaranteed
		R. D. Taylor Feed and Supply Co., Ashland
		Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		POTASH		Index of Relative Value	Station Number	
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate		
10.15	1.20	11.35						2.12	2.93	25.8	66565
10.00	2.00	12.00					5.00			25.8	
20.10	2.00	22.10								24.1	66567
20.00	2.00	22.00								24.0	
16.50	1.40	17.90								19.8	67170
17.30	2.30	19.60								20.8	67171
16.00	1.40	17.40								19.2	67172
15.55	1.40	16.95								18.7	67733
16.90	1.00	17.90								20.3	67734
15.70	0.90	16.60								18.8	67735
16.00	1.00	17.00								19.2	
21.50	1.70	23.20								25.8	67173
21.00	0.80	21.80								25.2	67414
20.50	1.00	21.50								24.6	67415
20.00	1.00	21.00								24.0	
8.10	1.50	9.60			1.22	1.61	1.95	1.88	0.57	25.7	67174
8.20	1.30	9.50			0.53	0.91	1.10	1.30		20.0	67175
8.40	0.70	9.10			0.61	0.96	1.17	1.30		20.3	67176
7.95	0.60	8.55			0.62	0.94	1.14	1.59		20.1	67736
8.00	1.00	9.00				0.82	1.00	1.00		18.5	
12.10	0.80	12.90			0.51	0.78	0.95	1.15		24.7	67177
11.75	3.20	14.95			0.70	0.98	1.19	0.52	1.14	27.1	67416
12.15	0.55	12.70			0.67	0.95	1.15	1.16		25.5	67737
12.00	1.00	13.00				0.82	1.00	1.00		24.5	
8.40	1.00	9.40			1.03	1.63	1.98	2.35		25.9	67178
8.10	3.10	11.20			1.06	1.66	2.02	1.75		25.2	67418
8.00	1.50	9.50			1.10	1.61	1.95	1.88	0.47	25.4	67419
8.80	3.00	11.80			1.37	1.37	1.66	1.94		25.1	67738
7.90	2.65	10.55			0.95	1.50	1.82	2.13		24.7	67739
8.00	1.00	9.00				1.65	2.00	2.00		24.7	
13.20	2.70	15.90			1.31	1.98	2.40			30.8	66425
12.00	1.00	13.00				1.65	2.00			26.7	
12.00	1.60	13.60			1.12	1.64	1.99	1.94		30.8	67179
11.00	1.10	13.00			1.11	1.64	1.99	1.99		30.5	67420
11.85	0.70	12.55			1.20	1.61	1.95	1.92		30.0	67740
12.00	1.00	13.00				1.65	2.00	2.00		30.7	
10.90	1.50	12.40			1.22	1.53	1.86	4.64		33.9	67421
10.00	1.00	11.00				1.65	2.00	4.00		31.7	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
67741	Armour Fertilizer Works Big Crop 0-12-4 Fertilizer	Wilson, Winn and Co., Russellville..... Guaranteed
67181	†Big Crop Bone Meal	Bert Hodges, Munfordville.....
67422	.	Wilson, Winn and Co., Russellville.....
67743	.	Cayce-Yost Co., Hopkinsville.....
67744	Big Crop Raw Bone	D. E. Patterson, Hodgenville.....
67182	†Big Crop Dark Tobacco Grower	Guaranteed
67184	.	E. F. Pearson, Franklin.....
67187	†Big Crop Burley Tobacco Grower	Cantrill and Penick, Greensburg.....
66434	Big Crop Potato Grower	Guaranteed
67423	†Big Crop Plant Bed Special	W. P. Ray and Son, New Haven.....
67426	.	Guaranteed
67428	Bonus "A" Humus	Cantrill and Penick, Greensburg.....
67428	†Big Crop 2-12-6 Fertilizer	W. S. Overstreet, La Grange.....
66665	Armour's 1-8-4 Fertilizer	Wilson, Winn and Co., Russellville.....
67432	Ideal Superphosphate	Guaranteed
66686	Ideal Tobacco Grower	Manufacturer
66687	Ideal Grain Grower	Guaranteed
66688	Ideal Special Tobacco Guano	Manufacturer
67433	Ideal High Grade Tobacco Grower	Guaranteed
67074	Armour's Wheat and Corn Grower	T. J. Turley Co., Owensboro.....
67434	Armour's Corn and Tobacco Grower	Guaranteed
67076	Armour's Special Tobacco Grower	Moore and Hughes, Leitchfield.....
67745	Big Crop 17% Acid Phosphate	Guaranteed

Analyses of Commercial Fertilizers.

TABLE I.

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
67190	Armour Fertilizer Works Armour's Champion	Farmers Supply Co., Hodgenville.....
67746		Farmers Supply Co., Hodgenville.....
67030	The Buhner Fertilizer Co., Seymour, Ind.	Guaranteed
66755	Buhner's 3-8-6	* Guaranteed
66756	Calumet Fertilizer Co., New Albany, Ind.	
66757	Calumet Brand High Grade Tobacco and Truck Grower	Manufacturer
66758	Calumet Brand 2-12-6	Guaranteed
66759	Calumet Brand 2-12-2	Manufacturer
66760	Calumet Brand 15-7½	Guaranteed
66761	Calumet Brand Half and Half	Manufacturer
66762	Calumet Brand 16% Acid Phosphate	Guaranteed
66763		Patrick Dillon, Hardinsburg.....
66764		D. S. Richardson, Brandenburg.....
66765		Guaranteed
66766		Manufacturer
66767		Guaranteed
66768		Manufacturer
66769		Guaranteed
66770		Manufacturer
66771		Guaranteed
66772		Manufacturer
66773		Guaranteed
66774		Manufacturer
66775		Guaranteed
66776		Manufacturer
66777		Guaranteed
66778		Manufacturer
66779		Guaranteed
66780		Manufacturer
66781		Guaranteed
66782		Manufacturer
66783		Guaranteed
66784		Manufacturer
66785		Guaranteed
66786		Manufacturer
66787		Guaranteed
66788		Manufacturer
66789		Guaranteed
66790		Manufacturer
66791		Guaranteed
66792		Manufacturer
66793		Guaranteed
66794		Manufacturer
66795		Guaranteed
66796		Manufacturer
66797		Guaranteed
66798		Manufacturer
66799		Guaranteed
66800		Manufacturer
66801		Guaranteed
66802		Manufacturer
66803		Guaranteed
66804		Manufacturer
66805		Guaranteed
66806		Manufacturer
66807		Guaranteed
66808		Manufacturer
66809		Guaranteed
66810		Manufacturer
66811		Guaranteed
66812		Manufacturer
66813		Guaranteed
66814		Manufacturer
66815		Guaranteed
66816		Manufacturer
66817		Guaranteed
66818		Manufacturer
66819		Guaranteed
66820		Manufacturer
66821		Guaranteed
66822		Manufacturer
66823		Guaranteed
66824		Manufacturer
66825		Guaranteed
66826		Manufacturer
66827		Guaranteed
66828		Manufacturer
66829		Guaranteed
66830		Manufacturer
66831		Guaranteed
66832		Manufacturer
66833		Guaranteed
66834		Manufacturer
66835		Guaranteed
66836		Manufacturer
66837		Guaranteed
66838		Manufacturer
66839		Guaranteed
66840		Manufacturer
66841		Guaranteed
66842		Manufacturer
66843		Guaranteed
66844		Manufacturer
66845		Guaranteed
66846		Manufacturer
66847		Guaranteed
66848		Manufacturer
66849		Guaranteed
66850		Manufacturer
66851		Guaranteed
66852		Manufacturer
66853		Guaranteed
66854		Manufacturer
66855		Guaranteed
66856		Manufacturer
66857		Guaranteed
66858		Manufacturer
66859		Guaranteed
66860		Manufacturer
66861		Guaranteed
66862		Manufacturer
66863		Guaranteed
66864		Manufacturer
66865		Guaranteed
66866		Manufacturer
66867		Guaranteed
66868		Manufacturer
66869		Guaranteed
66870		Manufacturer
66871		Guaranteed
66872		Manufacturer
66873		Guaranteed
66874		Manufacturer
66875		Guaranteed
66876		Manufacturer
66877		Guaranteed
66878		Manufacturer
66879		Guaranteed
66880		Manufacturer
66881		Guaranteed
66882		Manufacturer
66883		Guaranteed
66884		Manufacturer
66885		Guaranteed
66886		Manufacturer
66887		Guaranteed
66888		Manufacturer
66889		Guaranteed
66890		Manufacturer
66891		Guaranteed
66892		Manufacturer
66893		

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		POTASH		Index of Relative Value	Station Number				
Available	Insoluble	Total	Fine	Bone	Medium	Bone	Water Soluble	Total	Muriate	Sulfate				
8.60	0.70	9.30					0.60	0.88	1.07	3.12	0.74	25.3	67190	
9.60	0.80	10.40					0.40	0.77	0.93	3.72		26.0	67746	
8.00	1.00	9.00						0.82	1.00	4.00		24.5		
8.00								2.47	3.00		6.00	26.4	67030	
11.05	1.30	12.35					0.85	2.35	2.85	4.46		37.8	66755	
10.00	4.00	14.00						2.47	3.00	4.00		37.0		
13.20	1.20	14.40					0.43	1.45	1.76	8.19		43.9	66756	
12.00	4.00	16.00						1.65	2.00	6.00		39.9		
12.50	2.10	14.60					0.74	1.60	1.94	2.10		31.8	66757	
12.00	4.00	16.00						1.65	2.00	2.00		31.9		
16.50	2.50	19.00					0.99	1.90	2.31	2.35		40.0	66758	
16.00	4.00	20.00						1.65	2.00	2.00		37.9		
9.50	1.10	10.60					0.44	1.54	1.87	2.68		27.8	66759	
8.00	4.00	12.00						1.65	2.00	2.00		25.9		
12.40	1.60	14.00								13.05		45.3	66763	
12.00	4.00	16.00								12.00		43.6		
16.00	1.30	17.30								8.77		42.1	67902	
15.00	4.00	19.00								7.50		39.1		
11.90	1.20	13.10					0.52	1.92	2.33	1.56		31.1	66766	
6.00	6.00	12.00						2.06	2.50	1.00		23.7		
16.15	1.50	17.65										19.4	67443	
16.35	0.55	16.90										19.6	67444	
16.00	2.00	18.00										19.2		
20.90	1.50	22.40										25.1	66768	
20.00	2.00	22.00										24.0		
							21.10	63	37	0.59	4.24	5.07		
								20.00			3.71	4.50		
							35.20	72	28		0.49	0.59	30.6	66770
								30.00			0.82	1.00	28.1	
9.70	1.00	10.70					0.42	1.39	1.69	8.03		38.0	66771	
8.00	4.00	12.00							1.65	2.00	8.00		37.9	
									15.00	18.22			67040	
												75.0		

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
67191	Consolidated Chemical Co., Louisville, Ky. Camel Brand Corn and Wheat Special	J. W. Sweeney, Waynesburg..... Grant North, Salt Lick..... Guaranteed
67445		Manufacturer
66985	Camel Brand Universal Crop Fertilizer	Guaranteed
66987	Camel Brand General Crop Fertilizer	Manufacturer
66988	Camel Brand One-Ten-One Fertilizer	Guaranteed
66989	Camel Brand One-Eight-Three Fertilizer	Manufacturer
66992	Camel Brand High Grade Special	Guaranteed
66993	Camel Brand Superior Tobacco Fertilizer	Manufacturer
66994	Camel Brand Standard Grain Fertilizer	Guaranteed
66997	Camel Brand Extra Special Tobacco Fertilizer	Manufacturer
67000	Camel Brand Truck and Tobacco Fertilizer	Guaranteed
37001	Camel Brand High Grade Tobacco Bed Special	Manufacturer
37002	Camel Brand Potash and Tobacco Fertilizer	Guaranteed
37003	Camel Brand High Grade Fertilizer	Manufacturer
67004	Camel Brand Corn, Wheat and Oats Grower	Guaranteed
		Manufacturer
		Guaranteed
		Manufacturer
		Guaranteed
		Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		POTASH		Index of Relative Value	Station Number	
Available	Insoluble	Total	Fine	Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate		
11.70	0.50	12.20			0.53	0.78	0.95	1.20		24.1	67191
11.70	0.50	12.20			0.30	0.57	0.69	1.16		22.9	67445
11.00	3.00	14.00				0.41	0.50	1.00			21.8
13.20	5.40	18.60			0.59	1.05	1.27	1.17		29.6	66985
12.00	4.00	16.00				0.82	1.00	1.00			25.7
11.20	7.50	18.70			0.51	1.00	1.21	2.08		29.0	66987
10.00	4.00	14.00				0.82	1.00	2.00			24.7
11.30	8.00	19.30			0.50	0.99	1.20	1.18		27.5	66988
10.00	4.00	14.00				0.82	1.00	1.00			22.7
9.00	9.60	18.60			0.59	1.10	1.34	3.20		29.2	66989
8.00	4.00	12.00				0.82	1.00	3.00			23.7
10.90	4.60	15.50			1.14	1.83	2.22	2.29		31.9	66992
10.00	4.00	14.00				1.65	2.00	2.00			28.9
9.10	6.40	15.50			1.21	1.87	2.27	0.60	4.97	36.7	66993
8.00	4.00	12.00				1.65	2.00		5.00		31.9
9.20	7.00	16.20			1.17	1.93	2.34	2.36		31.0	66994
8.00	4.00	12.00				1.65	2.00	2.00			25.9
11.10	1.80	12.90			1.78	2.76	3.35	0.48	2.87	37.9	66997
10.00	4.00	14.00				2.47	3.00		3.00		35.0
8.40	5.10	13.50			1.85	2.79	3.39	3.24		35.1	67000
8.00	4.00	12.00				2.47	3.00	3.00			32.0
11.40	3.50	14.90			2.46	3.61	4.38			36.6	67001
10.00	4.00	14.00				3.29	4.00				33.1
11.40	3.50	14.90			2.46	3.61	4.38			36.6	67002
10.00	4.00	14.00				3.29	4.00				33.1
11.30	7.30	18.60			1.05	1.85	2.25			29.1	67003
10.00	4.00	14.00				1.65	2.00				24.9
15.40	4.60	20.00			0.29	0.50	0.61			27.4	67004
14.00	4.00	18.00				0.41	0.50				24.7

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
67005	Consolidated Chemical Co. Camel Brand Potash Tobacco Fertilizer	Manufacturer Guaranteed
67006	Camel Brand Phosphate and Potash Fertilizer	Manufacturer Guaranteed
67007	Camel Brand Extra High Grade Phosphate	Manufacturer Guaranteed
67196	Camel Brand High Grade Phosphate	W. B. Guky, Nancy.....
67197		J. R. Duncan and Bro., Monticello.....
67198		J. F. Collings, Shepherdsville.....
67009	Camel Brand Acid Phosphate	Guaranteed
67010	Camel Brand Steamed Bone	Manufacturer Guaranteed
67011	Camel Brand Raw Bone	Manufacturer Guaranteed
67017	Camel Brand Harvest King Fertilizer	Manufacturer Guaranteed
67693	Camel Brand Bone and Phosphate Mixture	Manufacturer Guaranteed
Duncan and Sherley, La Grange, Ky.		
67081	Tiger Brand A-1 Tobacco Grower	Manufacturer
67455	Tiger Brand Phosphate and Tankage	Guaranteed
67748		Manufacturer's Warehouse
67749	Tiger Brand Phosphate	Manufacturer's Warehouse
67456	Tiger Brand Special Tobacco Grower	Guaranteed
67750	Tiger Brand Raw Bone Meal	Manufacturer's Warehouse
The Empire Guano Co., Nashville, Tenn.		Guaranteed
66605	Climax Tobacco Grower	Manufacturer
		Guaranteed

TABLE I.

Available	PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		POTASH		Index of Relative Value	Station Number	
	Insoluble	Total		Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate		
11.20	9.00	20.20							5.06		30.5	67005
10.00	2.00	12.00							5.00		25.8	
11.20	11.10	22.30							1.97		25.2	67006
10.00	2.00	12.00							2.00		19.8	
18.30	1.00	19.30									22.0	67007
18.00	2.00	20.00									21.6	
16.90	0.80	17.50									20.3	67196
17.05	0.50	17.55									20.5	67197
16.85	0.50	17.35									20.2	67198
16.00	2.00	18.00									19.2	
14.60	6.50	21.10									17.5	67009
14.00	2.00	16.00									16.8	
		31.70	80	20		1.04	1.26				30.6	67010
		30.00				1.03	1.25				29.2	
		23.30	50	50		4.59	5.57				41.6	67011
		22.00				3.71	4.50				36.2	
9.15	10.35	19.50			0.51	1.04	1.26	2.13			27.3	67017
8.00	4.00	12.00				0.82	1.00	2.00			21.7	
13.30	9.90	23.20				1.16	1.41				29.7	67693
12.00	8.00	20.00				0.82	1.00				25.3	
8.40	5.50	13.90			1.22	2.47	3.00	6.52			40.2	67081
8.00	2.00	10.00				2.47	3.00	6.00			37.2	
11.60	6.20	17.80			0.36	1.20	1.46				25.9	67455
13.10	1.40	14.50			0.58	1.00	1.21				25.2	67748
12.00	2.00	14.00				0.82	1.00				22.9	
16.40	1.70	18.10									19.7	67749
16.00	2.00	18.00									19.2	
10.10	4.50	14.60				1.75	2.12		4.61		34.9	67456
10.00	2.00	12.00				1.65	2.00		4.00		32.1	
		22.70	46	54		4.13	5.01				38.8	67750
		22.00				3.71	4.50				36.2	
9.20	6.40	15.60			0.28	0.86	1.04		1.82		24.3	66605
8.00	5.00	13.00				0.82	1.00		1.00		20.1	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
67199	The Empire Guano Co. Red Banner Tobacco Grower	Farmer's Union Supply Co., Bowling Green
67459		Denton Mercantile Co., Hillsboro.....
66607	High Grade Tobacco Grower	Guaranteed
66609	Bright Leaf Tobacco Special	Manufacturer
66610	Blood, Bone and Potash	Guaranteed
67200	Kentucky Premium Guano	W. W. Owens, Jamestown.....
67461	Wheat and Corn Grower	Guaranteed
66613	Standard Grain Grower	Beckscreek Farmers' Club, Williamsburg
66614	Bone and Potash	Guaranteed
66615	High Grade Potash Phosphate	Manufacturer
66616	High Grade Acid Phosphate	Guaranteed
67201	Climax Acid Phosphate	W. W. Owens, Jamestown.....
67202		Farmers' Union Supply Co., Bowling Green
67462		J. O. Scroggin, Brodhead.....
67752		J. H. Wyan, London.....
66618	Pure Raw Bone Meal	Guaranteed
66619	Half and Half (Raw Bone Meal and Acid Phosphate)	Manufacturer
67096	Kentucky Tobacco Grower	Guaranteed
67678	Bone Meal and Acid Phosphate	*
67679	Bone Meal	Guaranteed
	The Evansville Packing Co., Evansville, Ind.	*
66568	Corn and Wheat Special	Guaranteed
		Manufacturer
		Guaranteed

*The manufacturer failed to furnish sample required by law.

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		POTASH				
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
9.30	2.90	12.20			0.61	1.63	1.98	2.23		27.7	67199
8.50	4.10	12.60			0.66	1.59	1.93	2.81		28.0	67459
8.00	5.00	13.00				1.65	2.00		2.00		
8.80	1.55	10.35			1.49	2.16	2.62	0.56	4.93	26.3	66607
8.00	4.00	12.00				1.65	2.00		4.00	35.6	
10.15	2.25	12.40			1.24	1.89	2.29	0.44	0.78	29.9	
9.00	4.00	13.00				1.65	2.00		1.00	28.0	66609
9.60	2.80	12.40			0.91	2.10	2.55	3.01		25.4	
8.00	4.00	12.00				1.65	2.00	2.00		32.0	66610
9.00	8.00	17.00				0.45	0.55	3.59		25.9	
8.00	5.00	13.00				0.41	0.50	4.00		26.1	67200
11.20	6.30	17.50			0.23	0.50	0.61	0.48	0.51	23.8	67461
11.00	4.00	15.00				0.41	0.50	1.00		22.2	
13.70	2.85	16.55				0.51	0.62			24.2	66613
12.00	5.00	17.00				0.41	0.50			22.1	
11.10	12.30	23.40							3.24	28.1	66614
10.00	8.00	18.00							2.00	22.2	
11.20	11.30	22.50							5.43	32.2	66615
10.00	7.00	17.00							4.00	25.8	
15.10	6.80	21.90								18.1	66616
14.00	4.00	18.00								16.8	
17.00	4.30	21.30								20.4	67201
18.65	2.20	20.85								22.4	67202
16.45	4.00	20.45								19.7	67462
16.80	3.60	20.40								20.2	67752
16.00	2.00	18.00								19.2	
		21.35	52	48		3.99	4.84			37.0	66618
		20.00				3.71	4.50			34.6	
12.15	10.70	22.85				1.98	2.40			32.4	66619
10.00	10.00	20.00				1.85	2.25			28.3	
8.00	3.00	11.00				2.47	3.00		6.00	37.6	67096
12.00	8.00	20.00				0.82	1.00			25.3	67678
		24.00				2.47	3.00			31.6	67679
12.25	0.45	12.70			1.57	1.57	1.91	5.25		36.9	66568
12.00						0.82	1.00	3.00		28.1	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The Evansville Packing Co.	
57463	Tobacco Special	Atherton, Kidd and Co., Livermore..... Guaranteed
67464	Half and Half Mixture	Atherton, Kidd and Co., Livermore..... Guaranteed
66571	Farmer's Special	Manufacturer
67465	Potato and Tobacco Grower	Guaranteed
67466		Irvington Hardware and Implement Co., Irvington
67467	Special Ten-Ten	Eldred Hardware Co., Princeton..... Guaranteed
66574	Grain Booster	Irvington Hardware and Implement Co., Irvington
66575	Golden Harvest	Guaranteed
66576	Wonder Growth	Manufacturer
67468	Three "B"	Guaranteed
67469		J. H. Brown, Cloverport..... Eldred Hardware Co., Princeton..... Guaranteed
66578	Dark Patch Special	Manufacturer
66579	Phosphate and Potash	Guaranteed
66580	Pure Raw Bone Meal	Manufacturer
67470	High Grade Acid Phosphate	Guaranteed
	Farmers Union Supply Co., of Ky., Louisville, Ky.	Atherton, Kidd and Co., Livermore..... Guaranteed
67033	Farmers Union Truck and Tobacco Fertilizer	Manufacturer
67036	Farmers' Union Acid Phosphate .	Guaranteed
	Federal Chemical Co., Inc., Louisville, Ky.	Manufacturer
67203	Plant Bed Special	McClure and Simms, Springfield..... Guaranteed
66809	Standard Grain Grower	Manufacturer
57476	Ammoniated Potash Ten	Guaranteed
		Guenther Hardware Co., Owensboro.... Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
9.70	0.80	10.50			2.73	3.12	3.79	3.99		38.5	67463
10.00						3.29	4.00	4.00		39.5	
9.30	1.00	10.30			2.19	2.53	3.07	1.24		29.5	67464
10.00						2.47	3.00	1.00		29.4	
11.90	0.50	12.40			1.99	2.19	2.66	3.66		36.3	66571
12.00						1.65	2.00	2.00		30.3	
7.50	0.80	8.30			1.42	1.67	2.03	5.68		31.3	67465
8.30	1.00	9.30			1.58	1.58	1.92	6.01		32.8	67466
8.00						1.65	2.00	5.00		30.3	
10.00	0.50	10.50							9.91	35.0	67467
10.00										35.0	
8.70	0.30	9.00			1.39	1.59	1.93	2.74		26.6	66574
8.00						0.82	1.00	1.00		18.1	
8.35	0.30	8.65			1.45	1.45	1.76	4.96		29.8	66575
8.00						0.82	1.00	3.00		22.1	
10.55	0.40	10.95			2.00	2.24	2.72			27.2	66576
10.00						1.65	2.00			23.3	
8.10	0.90	9.00			1.37	1.37	1.66	2.26		23.9	67468
8.90	0.60	9.50			1.58	1.58	1.92	1.88		25.3	67469
8.00						1.65	2.00	2.00		24.3	
10.35	0.30	10.65			2.55	2.89	3.51	5.47		41.0	66578
10.00						2.47	3.00	3.00		33.4	
9.20	1.40	10.60							12.92	40.2	66579
10.00									2.00	19.0	
		25.45	40	60	0.46	3.73	4.53			39.0	66580
		23.00				3.71	4.50			37.0	
15.90	0.70	16.60								19.1	67470
16.00		*								19.2	
8.75	3.50	12.25			1.82	2.75	3.34	0.68	6.07	41.8	67033
8.00	4.00	12.00				2.47	3.00		6.00	38.0	
17.10	2.50	19.60								20.5	67036
16.00	2.00	18.00								19.2	
10.40	1.90	12.30			1.75	2.28	2.77	3.37		34.5	67203
10.00	4.00	14.00				2.47	3.00		3.00	35.0	
12.50	0.70	13.20			1.59	1.59	1.93	2.47		31.9	66809
10.00	4.00	14.00				0.82	1.00	1.00		22.7	
8.70	1.70	10.40			0.34	0.66	0.80	10.03		37.1	67476
8.00	4.00	12.00				0.82	1.00		10.00	37.7	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
67204	Federal Chemical Co., Inc. Tobacco Truck and Tomato Fertilizer	Harmon and McNaly, Junction City... Guaranteed
66812	Potato Maker and Tobacco Fertilizer	Manufacturer
66814	Premium High Grade Fertilizer	Guaranteed
67206	†Special Tobacco Maker	Lake Bros., Springfield.....
67754	†Beef, Blood and Bone	Guaranteed
67207	†Loam Land Fertilizer	Grayson County Supply Co., Leitchfield
67478		Guaranteed
66818	Mid-West High Grade Mixture	C. Cardell, Pine Knot.....
67210	†Special Tobacco and Potato Grower	Randolph Brothers and Co., Bandana...
37479		Guaranteed
66821	A-1 Fertilizer	Manufacturer
66823	A-1 Formula	Guaranteed
66824	High Grade Fertilizer	Manufacturer
66825	A-1 Soluble Vegetable Manure	Guaranteed
66826	A-1 Potato Grower	Manufacturer
67903	Standard Meal Mixture	Guaranteed
66829	Potash Special	Lonnier Jackson, Caneyville.....
66831	Potash Compound	Guaranteed
66832	Black Land Special	Manufacturer
67486	†20% Phosphate	Guaranteed
66834	Extra Grade Phosphate	M. G. Parman, London.....
66836	A. A. Phosphate	Guaranteed
		Manufacturer
		Guaranteed

Analyses of Commercial Fertilizers.

201

TABLE I.

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
67216	Federal Chemical Co., Inc. Best Burley Tobacco Grower	McClure and Simms, Springfield.....
67037	2-8-3 Formula	Guaranteed
67375	Nitrate of Soda	Manufacturer
67690	Fine Raw Bone	Guaranteed
66837	Daybreak A-1 Champion	Manufacturer
66839	Daybreak Cracker-Jack	Guaranteed
66840	Daybreak Special	Manufacturer
66841	Royal Wheat and Grain Special	Guaranteed
66842	Daybreak Special Manure	Manufacturer
66843	Daybreak Tobacco Manure	Guaranteed
66844	Daybreak Favorite	Manufacturer
66845	Standard Crop and Tobacco Grower	Guaranteed
66846	Daybreak Tobacco Grower	Manufacturer
66847	Daybreak Vegetable Grower	Guaranteed
66849	Red Rooster Mixture	Manufacturer
66850	Daybreak Nitro-Phosphate	Guaranteed
66851	Royal Meal Mixture	Manufacturer
66852	Daybreak Half and Half Meal Mixture	Guaranteed
66853	Daybreak Potash Special	Manufacturer
67490	Daybreak Potash Mixture	Guaranteed
66855	Daybreak Phosphate and Potash	Mack Moore, Morehead.....
		Guaranteed
		Manufacturer
		Guaranteed
		Manufacturer
		Guaranteed
		Manufacturer
		Guaranteed

Analyses of Commercial Fertilizers.

203

TABLE I.

Available	PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Muriate	Sulfate				
8.25	1.75	10.00			0.77	1.67	2.03	6.12	1.96	37.6	67216	
8.00	4.00	12.00				1.65	2.00		7.50	36.9		
9.30	0.70	10.00			2.52	2.52	3.06		4.85	36.5	67037	
8.00	4.00	12.00				1.65	2.00		3.00	27.9		
						15.28	18.55			76.4	67375	
						15.00	18.22			75.0		
		24.60	60	40		4.04	4.90			39.9	67690	
		24.00				2.88	3.50			33.6		
15.10	0.50	15.60			0.93	0.93	1.13	1.13		29.8	66837	
11.50	4.00	15.50				0.41	0.50	0.50		21.9		
15.05	0.70	15.75			0.80	0.80	0.97	1.48		29.8	66839	
13.00	4.00	17.00				0.41	0.50	1.00		25.2		
13.90	0.40	14.30			0.78	0.78	0.95			6.27	37.5	
11.00	4.00	15.00				0.41	0.50		5.00	30.2	66840	
14.80	0.60	15.40			1.33	1.33	1.61	1.97		33.0	66841	
12.00	4.00	16.00				0.82	1.00	1.00		25.7		
12.70	0.70	13.40			1.19	1.19	1.44	3.17		31.6	66842	
10.00	4.00	14.00				0.82	1.00	2.00		24.7		
12.70	0.70	13.40			1.19	1.19	1.44	3.17		31.6	66843	
10.00	4.00	14.00				0.82	1.00	2.00		24.7		
13.80	0.50	14.30			1.31	1.31	1.62	4.18		35.8	66844	
11.00	4.00	15.00				0.82	1.00	3.00		28.2		
10.95	0.55	11.50			1.16	1.16	1.41			4.58	31.6	
8.00	4.00	12.00				0.82	1.00		4.00	25.7	66845	
10.75	0.45	11.20			2.22	2.22	2.70	3.23		33.9	66846	
8.00	4.00	12.00				1.65	2.00	2.00		25.9		
11.20	0.30	11.50			2.09	2.09	1.54			5.75	38.9	
8.00	4.00	12.00				1.65	2.00		5.00	31.9	66847	
15.40	0.70	16.10			0.85	0.85	1.03			27.6	66849	
12.00	4.00	16.00				0.41	0.50			21.7		
17.70	0.70	18.40			0.75	0.75	0.91			30.6	66850	
15.00	4.00	19.00				0.41	0.50			26.2		
13.70	8.10	21.80			1.16	1.16	1.41			29.6	66851	
10.00	10.00	20.00				0.82	1.00			23.1		
11.30	10.00	21.30			1.91	1.91	2.32			30.5	66852	
10.00	10.00	20.00				1.65	2.00			27.3		
12.70	0.70	13.40							3.12	25.6	66853	
10.00	2.00	12.00							2.00	19.8		
9.30	3.80	13.10							4.06	23.6	67490	
10.00	2.00	12.00							4.00	23.8		
15.70	1.10	16.80							3.54	31.1	66855	
12.00	2.00	14.00							2.00	22.8		

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
67221	Federal Chemical Co., Inc. Daybreak High Grade Phosphate	S. O. Powell, Gilpin.....
67222		Lake Bros., Springfield.....
67223		A. W. Tartar, Columbia.....
67761		Lake Bros., Springfield.....
67762		Grayson County Supply Co., Leitchfield.....
66857	Guaranteed	Guaranteed
66858	Daybreak Royal Phosphate	Manufacturer
66859	Daybreak Standard Phosphate	Guaranteed
66859	Daybreak Special Phosphate Mixture	Manufacturer
67224	†Daybreak Raw Bone	Guaranteed
66861	1st Prize Corn and Wheat Champion	Ricey Wilson, Nancy.....
66862	Guaranteed	Guaranteed
66863	1st Prize Corn, Wheat and Oats Grower	Manufacturer
66863		Guaranteed
66864	1st Prize Grain Maker	Manufacturer
66864		Guaranteed
66865	1st Prize Special	Manufacturer
66865		Guaranteed
66866	1st Prize Wheat and Grain Special	Manufacturer
66866		Guaranteed
66867	Blue Ribbon Corn and Wheat Grower	Manufacturer
66867		Guaranteed
66868	Blue Ribbon Tobacco Grower	Manufacturer
66868		Guaranteed
66869	1st Prize Formula	Manufacturer
66869		Guaranteed
67492	†1st Prize Crop and Tobacco Grower	Farmers' Union Supply Co., Russellville.....
66870		Guaranteed
66870	1st Prize Tobacco and Vegetable Grower	Manufacturer
66870		Guaranteed
66871	1st Prize Phosphate Mixture	Manufacturer
66871		Guaranteed
66872	1st Prize Ammoniated Bone Phosphate	Manufacturer
66872		Guaranteed
66873	Mogul Corn and Wheat Fertilizer	Manufacturer
66873		Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine	Bone	Water Soluble	Total	Muriate	Sulfate		
17.30	0.80	18.10							20.8	67221
17.65	0.55	18.20							21.2	67222
17.05	1.50	18.55							20.5	67223
16.30	0.90	17.20							19.6	67761
16.30	1.00	17.30							19.6	67762
16.00	2.00	18.00							19.2	
16.85	5.00	21.85							20.2	66857
14.00	2.00	16.00							16.8	
15.10	0.50	15.60							18.1	66858
12.00	2.00	14.00							14.4	
12.40	10.40	22.80							14.9	66859
10.00	10.00	20.00							12.0	
		21.80	59	41	0.39	4.05	4.92		37.7	67224
		22.00				3.71	4.50		36.2	
15.10	0.50	15.60			0.93	0.93	1.13	1.13	29.8	66861
11.50	4.00	15.50			0.41	0.50	0.50	0.50	21.9	
14.00	0.50	14.50			0.73	0.73	0.89	1.78	28.4	66862
11.00	4.00	15.00			0.41	0.50	1.00		22.2	
15.05	0.70	15.75			0.80	0.80	0.97	1.48	29.8	66863
13.00	4.00	17.00			0.41	0.50	1.00		25.2	
13.90	0.40	14.30			0.78	0.78	0.95		6.27	66864
11.00	4.00	15.00			0.41	0.50		5.00	30.2	
14.80	0.60	15.40			1.33	1.33	1.61	1.97	33.0	66865
12.00	4.00	16.00			0.82	1.00	1.00		25.7	
12.70	0.70	13.40			1.19	1.19	1.44	3.17	31.6	66866
10.00	4.00	14.00			0.82	1.00	2.00		24.7	
12.70	0.70	13.40			1.19	1.19	1.44	3.17	31.6	66867
10.00	4.00	14.00			0.82	1.00	2.00		24.7	
13.80	0.50	14.30			1.31	1.31	1.62	4.18	35.8	66868
11.00	4.00	15.00			0.82	1.00	3.00		28.2	
9.60	2.00	11.60			0.36	0.73	0.89	3.78	26.4	67492
8.00	4.00	12.00			0.82	1.00		4.00	25.7	
9.80	0.80	10.60			1.94	1.94	2.36	0.64	7.20	40.4
8.00	4.00	12.00			1.23	1.50		6.00	31.8	
15.40	0.70	16.10			0.85	0.85	1.03		27.6	66871
12.00	4.00	16.00			0.41	0.50			21.7	
17.70	0.70	18.40			0.75	0.75	0.91		30.6	66872
15.00	4.00	19.00			0.41	0.50			26.2	
14.30	0.70	15.00			1.37	1.37	1.66		28.6	66873
12.00	4.00	16.00			0.82	1.00			23.7	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
66874	Federal Chemical Co., Inc. Blue Ribbon Meal Mixture	Manufacturer
67493	1st Prize High Grade Phosphate	Guaranteed
67764		Farmers' Union Supply Co., Russellville
66876	1st Prize Phosphate	Farmers' Union Supply Co., Russellville
66877	1st Prize Standard Phosphate	Guaranteed
66878	1st Prize Special Phosphate Mixture	Manufacturer
	Fox Chemical Co., Br. Federal Chem. Co., Inc., Louisville, Ky.	Guaranteed
66880	Fox Ideal Fertilizer	Manufacturer
67226	Fox Blood, Bone Phosphate and Potash	Guaranteed
67227		N. B. Triplett, Waynesburg
66882	Red Fox Grain and Grass Grower	T. Z. Leachman, Greensburg
67766	Fox Soil Builder	Guaranteed
66884	Fox High Grade Special	E. M. Holloway, Franklin
66885	Fox Wheat and Grain Special	Guaranteed
67228	Fox Early Harvest	Manufacturer
67494	Early Harvest Tobacco Grower	Guaranteed
67495	Fox Crop and Tobacco Grower	Staggs Bros., Vanceburg
67767	Fox Wheat and Corn Manure	Guaranteed
67231	Fox Tobacco Grower	D. S. French, Whitesville
67496		John Messingale, Gap creek
67497		Guaranteed
66892	Fox Wheat and Corn Grower	D. S. French, Whitesville
		K. J. McKinney, Brodhead
		Guaranteed
		Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		POTASH		Index of Relative Value	Station Number			
Available	Insoluble	Total	Fine	Bone	Medium	Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate		
11.30	10.00	21.30					1.91	1.91	2.32			30.5	66874
10.00	10.00	20.00					1.65	2.00				27.3	
16.50	2.10	18.60										19.8	67493
16.80	1.20	18.00										20.2	67764
16.00	2.00	18.00										19.2	
16.85	5.00	21.85										20.2	66876
14.00	2.00	16.00										16.8	
15.10	0.50	15.60										18.1	66877
12.00	2.00	14.00										14.4	
12.40	10.40	22.80										14.9	66878
10.00	10.00	20.00										12.0	
15.10	0.50	15.60			0.93	0.93	1.13	1.13				29.8	66880
11.50	4.00	15.50			0.41	0.50	0.50	0.50				21.9	
11.50	2.60	14.10					0.46	0.56	1.08			22.8	67226
12.35	1.05	13.40					0.36	0.44	0.95			22.7	67227
11.00	4.00	15.00					0.41	0.50	1.00			22.2	
14.00	0.50	14.50			0.73	0.73	0.89	1.78				28.4	66882
11.00	4.00	15.00					0.41	0.50	1.00			22.2	
13.60	2.60	16.20			0.21	0.42	0.51	0.88				25.3	67766
13.00	4.00	17.00					0.41	0.50	1.00			25.2	
13.90	0.40	14.30			0.78	0.78	0.95			6.27		37.5	66884
11.00	4.00	15.00					0.41	0.50		5.00		30.2	
14.80	0.60	15.40			1.33	1.33	1.61	1.97				33.0	66885
12.00	4.00	16.00					0.82	1.00	1.00			25.7	
11.55	1.65	13.20			0.33	0.86	1.04	1.78				25.9	67228
10.00	4.00	14.00					0.82	1.00	2.00			24.7	
9.95	3.60	13.55			0.29	0.85	1.03	1.92				24.5	67494
10.00	4.00	14.00					0.82	1.00	2.00			24.7	
8.40	3.80	12.20			0.39	0.84	1.02	4.20				26.7	67495
8.00	4.00	12.00					0.82	1.00		4.00		25.7	
8.80	2.60	11.40			0.53	1.33	1.61	3.11				27.1	67767
8.00	4.00	12.00					1.65	2.00	2.00			25.9	
8.35	3.55	11.90			1.03	1.48	1.80	2.16				25.7	67231
8.20	3.20	11.40			0.50	1.64	1.99	1.84				25.5	67496
9.20	2.60	11.80			0.73	1.32	1.60	1.82				25.1	67497
8.00	4.00	12.00					1.65	2.00	2.00			25.9	
12.85	0.65	13.50			2.25	2.25	2.73	3.04				36.9	66892
10.00	4.00	14.00					1.65	2.00	2.00			28.9	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Fox Chemical Co., Br. Federal Chem. Co., Inc.	
66893	Fox Vegetable Grower	Manufacturer
67232	+Fox Special Tobacco Grower	Guaranteed
		T. Z. Leachman, Greensburg
66895	Red Fox Mixture	Guaranteed
		Manufacturer
66896	Fox Ammoniated Phosphate	Guaranteed
		Manufacturer
66897	Fox Half and Half Meal Mixture	Guaranteed
		Manufacturer
66898	Fox Potash Special	Guaranteed
		Manufacturer
66899	Fox Bone Phosphate and Potash	Guaranteed
		Manufacturer
66900	Fox Bone Phosphate	Guaranteed
		Manufacturer
67233	Fox High Grade Phosphate	Guaranteed
67234		Peoples' Store, Loretto
67499		N. B. Triplett, Waynesburg
67768		K. J. McKinney, Brodhead
67769		N. B. Triplett, Waynesburg
67770		B. L. Despain, Summerville
		E. M. Holloway, Temperance
66902	Fox Phosphate	Guaranteed
		Manufacturer
67771	+Fox Standard Phosphate	Guaranteed
		B. L. Despain, Summerville
66904	Fox Special Phosphate Mixture	Guaranteed
		Manufacturer
	Ford Motor Co., Detroit, Mich.	
67501	Ford Ammonium Sulphate	J. B. Taylor and Son, Lewisport
67772		True and Richards, Morganfield
		Guaranteed
	Globe Fertilizer Co., Br. Federal Chem. Co., Inc., Louisville, Ky.	
66906	Globe Good Grower Fertilizer	Manufacturer
		Guaranteed
67235	+Globe Blood, Bone Phosphate and Potash	W. H. Lyons, Loretto
67502		R. W. Strong, Bond
67904		The Jenkins-Essex Co., Elizabethtown
		Guaranteed
67774	+Globe Grain and Grass Grower	Jas. A. Rice, Adairville
		Guaranteed

TABLE I.

Available	PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		POTASH		Index of Relative Value	Station Number
	Incoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate		
11.20	0.30	11.50			2.09	2.09	1.54		5.75	38.9	66893
8.00	4.00	12.00				1.65	2.00		5.00	31.9	
8.90	1.25	10.15			0.71	1.57	1.91	3.44	2.48	33.5	67232
8.00	4.00	12.00				1.65	2.00		5.00	31.9	
15.40	0.70	16.10			0.85	0.85	1.03			27.6	66895
12.00	4.00	16.00				0.41	0.50			21.7	
17.70	0.70	18.40			0.75	0.75	0.91			30.6	66896
15.00	4.00	19.00				0.41	0.50			26.2	
11.30	10.00	21.30			1.91	1.91	2.32			30.5	66897
10.00	10.00	20.00				1.65	2.00			27.3	
12.70	0.70	13.40						3.12		25.6	66898
10.00	2.00	12.00						2.00		19.8	
11.70	0.70	12.40						6.21		30.3	66899
10.00	2.00	12.00						4.00		23.8	
15.70	1.10	16.80						3.54		31.1	66900
12.00	2.00	14.00						2.00		22.8	
17.15	1.50	18.65								20.6	67233
16.25	1.80	18.05								19.5	67234
16.20	1.90	18.10								19.4	67499
16.40	1.00	17.40								19.7	67768
16.20	0.90	17.10								19.4	67769
15.25	2.60	17.85								18.3	67770
16.00	2.00	18.00								19.2	
16.85	5.00	21.85								20.2	66902
14.00	2.00	16.00								16.8	
12.50	0.60	13.10								15.0	67771
12.00	2.00	14.00								14.4	
12.40	10.40	22.80								14.9	66904
10.00	10.00	20.00								12.0	
					20.80	25.26				104.0	67501
					20.80	25.26				104.0	67772
					20.80	25.26				104.0	
15.10	0.50	15.60			0.93	0.93	1.13	1.13		29.8	66906
11.50	4.00	15.50				0.41	0.50	0.50		21.9	
12.30	3.40	15.70				0.41	0.50	0.76		23.4	67235
11.40	2.60	14.00				0.39	0.47	1.19		22.5	67502
12.05	2.85	14.90				0.40	0.49	1.20		23.6	67904
11.00	4.00	15.00				0.41	0.50	1.00		22.2	
12.45	2.70	15.15			0.20	0.42	0.51	0.81		23.5	67774
11.00	4.00	15.00				0.41	0.50	1.00		22.2	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
67505	Globe Fertilizer Co., Br. Federal Chem. Co., Inc.	Dr. Gravely, Brodhead.....
66910	Globe Money Maker	Guaranteed
67506	Globe H. Gr. Special	Manufacturer
67236	Globe Wheat and Grain Special	Guaranteed
67237	Progress Corn and Wheat Grower	Randolph Bros. and Co., Bandana.....
66913	Progress Tobacco Grower	Guaranteed
67239	Universal Crop and Tobacco Grower	H. C. Rogers, Russell Springs.....
67507		B. F. Phelps, Esto.....
67240	Big Four Tobacco Grower	Guaranteed
66918	Globe Wheat Grower	Stewart's Cash Grocery, Horse Cave.....
67243	Kentucky Tobacco Maker	Guaranteed
66920	Globe Soluble Vegetable Manure	E. F. Pearson, Franklin.....
67244	Ky. Standard Tobacco Grower	Jas. I. Rice, Adairville.....
67513	Globe Special Tobacco Grower	Guaranteed
67515	Globe Gold Medal Mixture	I. K. Miller and Sons, Campbellsville.....
66924	Globe Grain-O-Phosphate	Guaranteed
66925	Globe Half and Half Meal Mixture	I. K. Miller and Sons, Campbellsville.....
67777	Globe Potash Special	Guaranteed
66927	Globe Bone Phosphate and Potash	A. B. Lander, Lafayette.....
66928	Globe Potash Compound	Guaranteed
67245	Globe High Grade Phosphate	C. F. Shaw, Cave City.....
67246		W. H. Lyons, Loretto.....
67247		J. M. Turner, Columbia.....
67778		I. K. Miller and Sons, Campbellsville.....
67779		Harvey Stout and Sons, Fern Creek.....
67780		H. D. Jones, Glasgow.....
		Guaranteed

TABLE I.

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
67516	Globe Fertilizer Co., Br. Federal Chem. Co., Inc. Globe Phosphate	C. L. Dudley, Flemingsburg..... I. K. Miller and Sons, Campbellsville..
67781		Guaranteed
67782	Globe Standard Phosphate	I. K. Miller and Sons, Campbellsville..
67248	Globe Special Phosphate Mixture	Guaranteed
67249	†Globe Raw Bone	G. C. Prather, Somerset.....
67784	Groves Fertilizer Works (The Jos- lin-Schmidt Co.) Cincinnati, O. Square Brand 2-12-2	Guaranteed
67518	†Square Brand 3-8-6	Minges Hardware Co., Newport.....
66713	Square Brand 0-10-10	Guaranteed
67785	Square Brand 1-8-4	Manufacturer
67786	Square Brand 0-10-4	Guaranteed
66716	Square Brand 1-10-2	J. C. Everett and Co., Maysville..
67519	16% Acid Phosphate	Guaranteed
67787		F. H. Gordon, Richmond.....
67788		Farm Bureau, Bowling Green.....
66718	20% Acid Phosphate	I. K. Miller and Sons, Campbellsville..
66720	Bone and Potash Mixture	Guaranteed
66722	Raw Bone	Manufacturer
66673	Hall Seed Co., Louisville, Ky. Haleo 14% Acid Phosphate	Guaranteed
66674	Haleo 16% Acid Phosphate	Manufacturer
66675	Haleo Special Tobacco Grower	Guaranteed
66676	Haleo Corn and Wheat Grower	Manufacturer

TABLE I.

Available Phosphoric Acid	PERCENTAGE OF FINENESS			NITROGEN			Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
	Fine	Bone	Medium	Water Soluble	Total	Muriate	Sulfate				
Available Insoluble		Total									
14.00	2.90	16.90								16.8	67516
13.80	1.20	15.00								16.6	67781
14.00	2.00	16.00								16.8	
12.50	1.00	13.50								15.0	67782
12.00	2.00	14.00								14.4	
10.85	13.75	24.60								13.0	67248
10.00	10.00	20.00								12.0	
		22.85	55	45	0.56	3.96	4.81			38.1	67249
		22.00				3.71	4.50			36.2	
12.20	2.20	14.40			0.82	1.62	1.97	1.92		31.1	67784
12.00	1.00	13.00				1.65	2.00	2.00		30.7	
9.25	1.35	10.60			1.18	2.25	2.73	5.80		37.3	67518
8.00	1.00	9.00				2.47	3.00	6.00		36.8	
10.45	1.20	11.65						11.96		40.1	66713
10.00	1.00	11.00						10.00		35.4	
8.40	2.10	10.50			0.30	0.86	1.04	4.00		25.7	67785
8.00	1.00	9.00				0.82	1.00	4.00		24.5	
10.40	0.90	11.30						3.57		23.1	67786
10.00	1.00	11.00						4.00		23.4	
11.20	1.65	12.85			0.44	0.99	1.20	2.78		28.0	66716
10.00	1.00	11.00				0.82	1.00	2.00		23.5	
17.30	1.40	18.70								20.8	67519
17.80	1.00	18.80								21.4	67787
16.20	2.10	18.30								19.4	67788
16.00	1.00	17.00								19.2	
20.75	1.90	22.65								24.9	66718
20.00	1.00	21.00								24.0	
13.40	7.95	21.35			0.45	0.96	1.17	6.28		40.6	66720
10.00	10.00	20.00				0.82	1.00	5.00		33.1	
		24.05	35	65		4.14	5.03			39.9	66722
		22.00				3.71	4.50			36.2	
13.40	2.80	16.20								16.1	66673
14.00	1.00	15.00								16.8	
16.50	1.75	18.25								19.8	66674
16.00	1.00	17.00								19.2	
9.60	3.40	12.00			0.57	0.57	0.69	1.22		21.1	66675
8.00	1.00	9.00				0.41	0.50	1.00		16.5	
10.70	2.80	13.50			0.50	0.99	1.20			22.1	66676
10.00	1.00	11.00				0.82	1.00			19.5	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Hall Seed Co.	
66677	Haleo Tobacco Grower	Manufacturer
66678	Haleo Potato Grower	Guaranteed
66679	Haleo Potato and Tobacco Grower	Manufacturer
66680	Haleo Vegetable Grower	Guaranteed
66681	Haleo High Grade Vegetable Grower	Manufacturer
66682	Haleo Half Bone and Phosphate	Guaranteed
66683	Haleo Bone Meal	Manufacturer
66684	Haleo Raw Bone	Guaranteed
66723	Haleo 20% Acid Phosphate	Manufacturer
	Hopkins Fertilizer Co., New Albany, Ind.	
66738	Ammoniated Special	Manufacturer
67521	Wheat and Corn Grower No. 1	Guaranteed
67522		W. A. Davis and Son, Jeffersontown
67789		Johnson Lumber and Supply Co., Buechel
67790		Emmitt Scherer, Monticello
66740	Red Banner Special	L. M. Uphurh, Burnside
67250	General Crop Grower	Guaranteed
67523	Superior	Manufacturer
67524		Guaranteed
67251	Burley Grower	Geo. W. Richardson, Somerset
67525		Guaranteed
67526		W. L. Kimbrough, Guthrie
67527	Truck, Potato and Tobacco Grower	R. A. Newton and Co., Shelbyville
67907	Blackland Special	Guaranteed
		Crawford and Snyder, Milton
		Guaranteed

TABLE I.

Available	PHOSPHORIC ACID		PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
10.15	2.50	12.65			0.46	0.84	1.02	2.31		25.1	66677
10.00	1.00	11.00			0.82	1.00	2.00			23.5	
9.90	2.10	12.00			1.03	1.72	2.09			24.3	66678
10.00	1.00	11.00				1.65	2.00			23.7	
8.80	2.20	10.80			1.13	1.83	2.22	1.00	2.13	29.2	66679
8.00	1.00	9.00				1.65	2.00	3.00		26.7	
10.55	1.50	12.05			2.21	3.49	4.24			33.9	66680
10.00	1.00	11.00				3.29	4.00			31.9	
8.70	1.85	10.55			1.44	2.51	3.05	1.24	5.03	38.9	66681
8.00	1.00	9.00				2.47	3.00		6.00	36.8	
10.75	11.20	21.95				0.99	1.21			25.6	66682
10.00	10.00	20.00				0.82	1.00			23.1	
		26.30	77	23	0.32	2.59	3.14			34.9	66683
		27.00				2.47	3.00			34.0	
		22.25	82	18	0.32	4.14	5.03			38.5	66684
		22.00				3.71	4.50			36.2	
20.80	1.60	22.40								25.0	66723
20.00	1.00	21.00								24.0	
9.65	2.40	12.05			3.64	3.64	4.42			33.6	66738
10.00	2.00	12.00				3.29	4.00			32.3	
11.85	1.50	13.35			0.27	0.51	0.62		2.20	25.3	67521
10.85	1.00	11.85				0.44	0.53	1.48	0.51	22.9	67522
10.60	1.70	12.30			0.20	0.57	0.69	1.98		23.4	67789
10.20	1.40	11.60			0.21	0.50	0.61	1.60	0.61	22.8	67790
10.00	2.00	12.00				0.41	0.50	2.00		21.9	
7.65	1.85	9.50			0.97	0.97	1.18	2.97		23.0	66740
8.00	2.00	10.00				0.82	1.00	3.00		22.9	
11.85	1.75	13.60			0.84	1.77	2.15	2.67		32.7	67250
12.00	2.00	14.00				1.65	2.00	2.00		31.1	
10.30	3.00	13.30			1.04	1.88	2.28	4.75		35.6	67523
9.90	3.00	12.90			0.49	1.61	1.95	4.79		33.7	67524
10.00	2.00	12.00				1.65	2.00	4.00		32.1	
7.85	8.80	16.65			1.22	2.30	2.79	5.98		38.8	67251
8.75	5.05	13.80			1.29	2.47	3.00	6.82		41.1	67525
8.35	3.10	11.45			1.24	2.52	3.06	6.15		38.7	67526
8.00	2.00	10.00				2.47	3.00	6.00		37.2	
9.25	3.60	12.85			1.93	2.70	3.28	3.86		36.5	67527
10.00	2.00	12.00				2.47	3.00	3.00		34.2	
10.90	0.40	11.30						5.76	0.49	29.0	67907
10.00	2.00	12.00						6.00		27.8	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
66746	Hopkins Fertilizer Co. Two In One	Manufacturer Guaranteed
67526	Half and Half No. 1	W. S. Overstreet, La Grange.....
67252	Climax Acid Phosphate	Guaranteed
67253		W. S. Allen, Liberty.....
67792		Coral Tarter, Nancy.....
67793	Potato Grower	R. L. St. Clair, Campbellsville..... Guaranteed
66751	Nitrate of Soda	Johnson Lumber and Supply Co., Buechel
67794	Steamed Bone	Guaranteed
67529	Pure Raw Bone	Manufacturer
67530		Guaranteed
67795		Emmett Scherer, Monticello.....
67796		Guaranteed
67908		Johnson Lumber and Supply Co., Buechel
67531	International Agricultural Corporation, Inc., Cincinnati, O.	Duncan and Sherley, La Grange.....
67532	I. A. C. Tobacco and Truck Grower	Emmett Scherer, Monticello.....
67254	I. A. C. Potato and Tobacco Grower	Johnson Lumber and Supply Co., Buechel
67256	I. A. C. A-1 Tobacco Fertilizer	Crawford and Snyder, Milton.....
67533		Guaranteed
66636	I. A. C. High Grade Fertilizer	W. E. Ellis and Bro., Hartford.....
66637	I. A. C. Standard Fertilizer	Standard Feed and Grocery Co., Liver- more
67257	I. A. C. Complete Fertilizer	Guaranteed
67258	I. A. C. Old Kentucky Special	McKenzie and Herrin, Eubank.....
67259		Guaranteed

Analyses of Commercial Fertilizers.

217

TABLE I.

Available	PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Muriate	Sulfate				
7.25	11.55	18.80			0.64	1.75	2.12	2.08		28.4	66746	
8.00	8.00	16.00				1.65	2.00	2.00		27.5		
6.55	5.65	12.20			0.58	1.86	2.26	1.33		24.1	67528	
6.00	6.00	12.00				1.65	2.00	1.00		21.7		
18.30	1.00	19.30								22.0	67252	
16.00	4.70	20.70								19.2	67253	
16.60	1.30	17.90								19.9	67792	
16.00	2.00	18.00								19.2		
8.30	4.10	12.40			0.20	1.74	2.11	3.10		29.0	67793	
8.00	2.00	10.00				1.65	2.00	3.00		27.1		
						15.58	18.92			77.9	66751	
						15.00	18.21			75.0		
		22.85	62	38	0.41	2.31	2.80			29.8	67794	
		22.00				2.47	3.00			30.0		
		21.90	54	46		3.74	4.54			36.2	67529	
		22.40	43	57	0.23	4.08	4.95			38.3	67530	
		20.80	21	79	0.53	4.59	5.57			39.6	67795	
		21.80	47	53	0.29	3.81	4.63			36.5	67796	
		21.00	68	32	0.43	3.63	4.41			35.0	67908	
		21.50				3.50	4.25			34.7		
8.50	3.80	12.30			0.80	1.71	2.08	1.52	8.01	41.9	67531	
8.40	3.90	12.30			0.55	1.65	2.00	0.88	9.34	42.9	67532	
8.00	4.00	12.00				1.65	2.00		10.00	41.9		
8.20	4.10	12.30			1.39	2.36	2.87	0.72	5.17	37.5	67254	
8.00	4.00	12.00				2.47	3.00		6.00	38.0		
11.25	3.80	15.05			1.12	1.63	1.98	0.60	3.48	34.7	67256	
10.25	4.35	14.60			0.98	1.71	2.08		4.41	34.5	67533	
10.00	4.00	14.00				1.65	2.00		4.00	32.9		
11.35	3.10	14.45			0.89	1.77	2.15	2.22		31.6	66636	
12.00	4.00	16.00				1.65	2.00	2.00		31.9		
7.70	4.35	12.05			1.01	1.74	2.11	2.28		26.6	66637	
8.00	4.00	12.00				1.65	2.00	2.00		25.9		
7.80	3.75	11.55			0.47	0.91	1.10	5.10		28.0	67257	
8.00	4.00	12.00				0.82	1.00	4.00		25.7		
8.00	4.15	12.15			0.54	0.82	1.00	2.08		21.9	67258	
8.70	4.20	12.90			0.44	0.85	1.03	2.51		24.0	67259	
8.00	5.00	18.00				0.82	1.00	2.00		22.1		

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	International Agricultural Corporation, Inc.	
66641	I. A. C. High Grade Special	Manufacturer
67800	I. A. C. 20% Acid Phosphate	Guaranteed
67262	I. A. C. Standard Acid Phosphate	J. R. Davis and Bros., Campbellsville ..
67263		Guaranteed
67536		C. M. Langdon, Science Hill
67801		McKenzie and Herrin, Eubank
67802		W. E. Ellis and Bro., Hartford
67803		C. M. Langdon, Science Hill
66645	I. A. C. Bone Mixture	J. W. Bratcher, Berea
67067	Henderson's High Grade Tobacco Grower	J. R. Davis and Bros., Campbellsville ..
67068	Henderson's High Grade Acid Phosphate	Guaranteed
67538	Buffalo Tobacco and Potato Grower	Manufacturer
67539		Guaranteed
67264	†Buffalo High Grade Tobacco Special	Leslie Cook, Williamstown
67541		J. W. Hardyman, Mt. Carmel
67544	†Buffalo Tobacco and Corn Grower	Guaranteed
66652	Buffalo Complete Fertilizer	Geo. W. Richardson, Somerset
67265	†Buffalo Corn and Grain Grower	W. E. Ellis and Bro., Hartford
67547		Guaranteed
67548	Buffalo High Grade Plant Food	J. W. Hardyman, Mt. Carmel
66656	Buffalo 20% Acid Phosphate	Guaranteed
67266	Buffalo 16% Acid Phosphate	Manufacturer
67549		Guaranteed
67550		V. B. Nuckols, Elkton
67804		London Hardware Co., London
67805		V. B. Nuckols, Elkton
67806		Boone County Farm Bureau, Florence ..
		London Hardware Co., London
		Geo. W. Richardson, Somerset
		Guaranteed

Analyses of Commercial Fertilizers.

219

TABLE I.

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	International Agricultural Corporation, Inc.	
66658	Buffalo Special Bone and Phosphate	Manufacturer
67551	Buffalo Bone Meal	Guaranteed
66660	Muriate of Potash	V. B. Nuckols, Elkton
66661	Nitrate of Soda	Guaranteed
	The Jarecki Chemical Co., (Armour owned), Louisville, Cincinnati, Nashville.	
67552	Jarecki 16% Acid Phosphate	C. L. Dudley, Flemingsburg
66473	Jarecki 20% Acid Phosphate	Guaranteed
66474	Jarecki 1-8-1 Fertilizer	Manufacturer
66475	Jarecki 1-12-1 Fertilizer	Guaranteed
67553	Jarecki 2-8-2 Fertilizer	Manufacturer
66477	Jarecki 2-12-0 Fertilizer	Guaranteed
67554	Jarecki 2-12-2 Fertilizer	Farmers Union Supply Co., Lawrenceburg
66479	Jarecki 2-10-4 Fertilizer	Guaranteed
67555	Jarecki 0-12-4 Fertilizer	Manufacturer
66482	Jarecki 3-27 Bone Meal	Oscar Tuncil, West Clifft
66483	Jarecki Raw Bone	Guaranteed
66484	Jarecki Dark Tobacco Grower	Manufacturer
66486	Jarecki Potato Grower	Guaranteed
66487	Jarecki Plant Bed Special	Manufacturer
66669	Jarecki 2-12-6 Fertilizer	Guaranteed
66670	Jarecki 0-10-10 Fertilizer	Manufacturer

TABLE I.

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
66671	The Jarecki Chemical Co., (Armour Owned) Jarecki 1-8-4 Fertilizer	Manufacturer Guaranteed
67557	Indian Brand Tobacco and Potato Food	Fremd and Donovan, Eminence Guaranteed
66934	Ky. Fert. Co., Br. Federal Chem. Co., Inc., Louisville, Ky. O. K. Special Mixture	Manufacturer Guaranteed
67808	O. K. Grain Grower	Smith and Smith, Shepherdsville
66936	O. K. Corn, Wheat and Oats Grower	Guaranteed
66937	O. K. Old Reliable	Manufacturer
66938	O. K. Special	Guaranteed
67558	O. K. Wheat and Grain Special	Boone County Farm Bureau, Florence
67559		Chiles and Thompson, Mt. Sterling
66940	O. K. Corn and Wheat Grower	Guaranteed
66943	O. K. Crop and Tobacco Grower	Manufacturer
67561	Golden Leaf Tobacco Grower	Guaranteed
66945	O. K. Tobacco and Vegetable Grower	J. E. Smith, Dixon
66946	O. K. Mixture	Guaranteed
66947	O. K. Ammoniated Phosphate	Manufacturer
66948	O. K. Half and Half Meal Mixture	Guaranteed
66949	O. K. Potash Special	Manufacturer
67270	O. K. High Grade Phosphate	Guaranteed
67562		Smith and Smith, Shepherdsville
67563		Chiles and Thompson, Mt. Sterling
67809		Lonnie Jackson, Caneyville
67909		Smith and Smith, Shepherdsville
66951	O. K. Phosphate	Lonnie Jackson, Caneyville
		Guaranteed
		Manufacturer
		Guaranteed

TABLE I.

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Ky. Fert. Co., Br. Federal Chem. Co., Inc.	
67271	O. K. Standard Phosphate	Smith and Smith, Shepherdsville.....
67810		Smith and Smith, Shepherdsville.....
66953	O. K. Special Phosphate Mixture	Guaranteed
	Knoxville Fertilizer Co., Knoxville, Tenn.	Manufacturer
67085	Dark Tobacco Brand	Guaranteed
67086	Knox High Grade Fertilizer	Manufacturer
67087	Knox Home Grower	Guaranteed
67272	Basic Ten-O-Four	Manufacturer
67564		Guaranteed
67565		W. W. Taylor, Somerset
67811		Barnett Bros., London
67812		The Auburn Mills, Auburn
67273	Knox Magnesia Phosphate	Barnett Bros., London
67566		The Auburn Mills, Auburn
67567		Barnett Bros., London
67813		W. W. Taylor, Somerset
67814		Guaranteed
67274	†Bright Burley Brand	W. W. Taylor, Somerset
67815	Knox Grain Grower	Guaranteed
67685	Knox Blood and Bone	W. W. Taylor, Somerset
	Louisville Fertilizer Co., (Armour owned) Louisville, Cincinnati, Nashville.	Manufacturer
67275	Louisville 16% Acid Phosphate	Guaranteed
67276		R. J. Wilcox, Greensburg
67277		Liberty Hardware Co., Liberty
67816		Pyles and Burton, Columbia
67817		Hurst, Brown Hardware Co., Bardstown
67818		J. T. Brown, Spurlington
		Elkins and Kimmel, Greenville.....
		Guaranteed

TABLE I.

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
67278	Louisville Fertilizer Co., (Armour Owned)	
67569	Louisville 1-8-1 Fertilizer	Liberty Hardware Co., Liberty
67279	Louisville 1-12-1 Fertilizer	N. D. Tabor, Olive Hill
67820	†Louisville 2-8-2 Fertilizer	Guaranteed
66443	Louisville 2-12-0 Fertilizer	Arthur Hardwick, Kidder
66444	Louisville 2-12-2 Fertilizer	Guaranteed
66445	Louisville 2-10-4 Fertilizer	Hurst, Brown Hardware Co., Bardstown
67280	Louisville 0-12-4 Fertilizer	Guaranteed
67821		Manufacturer
67822	Louisville 3-27 Bone Meal	Guaranteed
67823	Louisville Raw Bone	W. T. Sullivan, Gentry's Mill
67571	Louisville Dark Tobacco Grower	J. T. Brown, Spurlington
67572		Guaranteed
67282	†Louisville Burley Tobacco Grower	J. T. Shadoan, Somerset
66452	Louisville Potato Grower	Guaranteed
66454	Louisville Black Patch Special	D. L. D. Sandefur, Beaver Dam
66667	Louisville Superior Tobacco Grower	Elkins and Kimmel, Greenville
67078	Louisville 4-12-0 Fertilizer	Guaranteed
67686	Louisville 17% Acid Phosphate	Liberty Hardware Co., Liberty
67574	Special Tobacco Grower	Guaranteed
67284	Mt. Pleasant Fert. Co., Inc., (Subsidiary of Virginia-Carolina Chem. Co.) Memphis, Nashville	Manufacturer
67577	Mt. Pleasant Big Winner Acid Phosphate	Guaranteed
		Thomas and Hinton, Bowling Green
		M. D. Pemberton, Clay
		Guaranteed

*The manufacturer failed to furnish sample required by law.

TABLE I.

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
66693	Mt. Pleasant Fert. Co., Inc., (Sub-sidiary of Va.-Car. Chem. Co.) Mt. Pleasant 24% Acid Phosphate	Manufacturer Guaranteed
66694	Mt. Pleasant Special Tobacco Grower	Manufacturer Guaranteed
67578	Mt. Pleasant Black Patch Tobacco Grower	Ed. G. Scruggs, Adairville Guaranteed
67285	Mt. Pleasant High Grade Tobacco Grower	Thomas and Hinton, Bowling Green Guaranteed
66697	Mt. Pleasant Grain Grower	Manufacturer
67580	Mt. Pleasant Corn Special	Guaranteed
66699	Black Patch Universal	M. D. Pemberton, Clay
67286	Mt. Pleasant Superior Tobacco Grower	Guaranteed
67581		Thomas and Hinton, Bowling Green
66701	Mt. Pleasant Superior Burley Grower	M. D. Pemberton, Clay
67582	Mt. Pleasant Burley Special	Guaranteed
66703	Mt. Pleasant Burley Tobacco Grower	Ed. G. Scruggs, Adairville
66705	Mt. Pleasant 10-4-4	Guaranteed
67824	Grigsby's Special	Thomas and Hinton, Bowling Green
67094	Black Patch Mt. Pleasant Soluble Bone	M. D. Pemberton, Clay
		Guaranteed
67584	New Louisville Rendering Co., Inc., Louisville, Ky. Pure Animal Matter, Meat, Bones and Blood	Guaranteed
67093	Pure Bone Meal	R. T. Kirkman, Elkton
		Guaranteed
		Manufacturer
		Guaranteed

TABLE I.

Available	PHOSPHORIC ACID		PERCENTAGE OF FINENESS		NITROGEN		POTASH		Index of Relative Value	Station Number	
	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate		
24.60	0.50	25.10								29.5	66693
24.00	2.00	26.00								28.8	
8.35	11.25	19.60			1.74	1.74	2.11	2.09		29.9	66694
8.00	4.00	12.00			1.23	1.50	1.50			22.8	
7.60	15.80	23.40			0.32	0.46	0.56	1.11		22.2	67578
7.00	9.00	16.00			0.41	0.50	1.00			18.2	
9.75	8.00	17.75			1.48	1.70	2.06	3.47		33.3	67285
8.00	4.00	12.00			1.65	2.00	3.00			27.9	
9.70	10.55	20.25			0.49	1.39	1.69			25.7	66697
8.00	10.00	18.00			1.23	1.50				22.2	
13.80	5.00	18.80			0.69	0.96	1.17			27.5	67580
12.00	4.00	16.00			0.82	1.00				23.7	
11.05	7.90	18.95			1.39	1.73	2.10			28.4	66699
10.00	6.00	16.00			1.65	2.00				24.9	
9.25	12.40	21.65					4.27			27.4	67286
9.20	11.10	20.30					4.02			26.3	67581
8.00	4.00	12.00					4.00			21.6	
8.15	9.35	17.50			1.46	2.04	2.48	2.69		31.6	66701
8.00	4.00	12.00			1.65	2.00	2.00			25.9	
10.10	9.60	19.70			0.56	0.77	0.93	2.92	0.56	29.8	67582
8.00	3.00	11.00			0.82	1.00	1.00			25.3	
11.70	8.20	19.90			1.35	1.88	2.28			30.2	66703
12.00	3.00	15.00			1.65	2.00				27.5	
10.05	2.60	12.65			2.90	3.27	3.97	4.83		42.1	66705
10.00	2.00	12.00			3.29	4.00	4.00			40.3	
10.65	8.55	19.20			0.60	0.87	1.06	1.15		26.1	67824
10.00	2.00	12.00			0.82	1.00	1.00			21.9	
11.90	10.70	22.60								14.3	67094
12.00	8.00	20.00								14.4	
			12.80	77	23	0.69	6.07	7.37		40.6	67584
			10.00				4.00	4.86		28.0	
			23.10	63	37	0.46	3.58	4.35		36.4	67093
			22.00				3.50	4.25		35.1	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
66662	Nitrate Agencies Co., New Orleans, Louisiana	
Nitrate of Soda		Manufacturer
67041	Plant Marvel Laboratories, Columbus, Ohio	Guaranteed
Plant Marvel, Formula "B"		Manufacturer
67287	Price Chemical Co., Inc., Louisville, Ky.	Guaranteed
†Special Corn and Wheat Fertilizer		Snow and Grubb, Kidd's Store
66956	Universal Crop Fertilizer	Guaranteed
66958	General Crop Fertilizer	Manufacturer
66960	One-Eight-Three Fertilizer	Guaranteed
67589	Ky. Blue Grass Tobacco Special	Guaranteed
66963	High Grade Special	J. W. Nall, Clay
66964	Old Time Grain Fertilizer	Guaranteed
66965	Old Time Tobacco Fertilizer	Manufacturer
66966	Superior Tobacco Fertilizer	Guaranteed
66967	Extra Special Tobacco Fertilizer	Manufacturer
66970	Truck and Tobacco Fertilizer	Guaranteed
66972	Potato and Tobacco Fertilizer	Manufacturer
66973	High Grade Fertilizer	Guaranteed
66974	Victory Grain Special	Manufacturer
66975	Grain and Grass Grower	Guaranteed
67594	Potash Tobacco Fertilizer	Lonnie Jackson, Caneyville
67292	Phosphate and Potash	Guaranteed

TABLE I.

Available	PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number	
	Insoluble	Total		Fine	Bone	Medium	Bone	Water Soluble	Total	Muriate	Sulfate		
								15.28	18.54			76.4	66662
								15.00	18.21			75.0	
25.35	1.35	26.70						12.30	12.59	15.28	19.02	139.6	67041
26.25								12.35	15.00		17.00	135.1	
12.55	0.70	13.25						0.39	0.63	0.76	1.19	24.6	67287
11.00	4.00	15.00							0.41	0.50	1.00	22.2	
13.50	4.70	18.20						0.48	0.96	1.17	1.09	29.1	66956
12.00	4.00	16.00							0.82	1.00	1.00	25.7	
11.45	7.30	18.75						0.50	0.96	1.17	2.09	29.1	66958
10.00	4.00	14.00							0.82	1.00	2.00	24.7	
9.10	9.90	19.00						0.45	0.97	1.18	3.07	28.6	66960
8.00	4.00	12.00							0.82	1.00	3.00	23.7	
9.30	0.70	10.00						1.00	1.25	1.52	0.56	3.26	28.1
8.00	4.00	12.00							1.23	1.50		4.00	27.8
11.50	4.30	15.80						1.12	1.85	2.25	2.37	33.0	66963
10.00	4.00	14.00							1.65	2.00	2.00		28.9
9.55	7.35	16.90						1.10	1.86	2.26	2.27		31.1
8.00	4.00	12.00							1.65	2.00	2.00		25.9
9.55	7.35	16.90						1.19	1.89	2.29	0.68	1.62	31.3
8.00	4.00	12.00							1.65	2.00		2.00	25.9
8.50	5.70	14.20						1.05	1.81	2.20	0.64	5.11	66966
8.00	4.00	12.00							1.65	2.00		5.00	31.9
10.80	1.90	12.70						1.80	2.75	3.34	0.72	2.71	37.6
10.00	4.00	14.00							2.47	3.00		3.00	35.0
8.95	4.80	13.75						1.80	2.80	3.40	3.33		35.0
8.00	4.00	12.00							2.47	3.00	3.00		32.0
10.50	3.65	14.15						2.41	3.69	4.48			35.7
10.00	4.00	14.00							3.29	4.00			33.1
11.50	6.70	18.20						1.06	1.90	2.31			29.4
10.00	4.00	14.00							1.65	2.00			24.9
15.05	4.65	19.70						0.28	0.40	0.59			26.9
14.00	4.00	18.00							0.41	0.50			24.7
9.35	12.70	22.05						0.31	0.60	0.73	0.99		24.1
8.00	4.00	12.00							0.41	0.50	1.00		17.7
10.50	0.50	11.00										4.56	25.1
10.00	2.00	12.00										5.00	25.8
10.50	0.80	11.30										1.76	19.6
10.00	2.00	12.00										2.00	19.8

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
66978	Price Chemical Co., Inc. Extra High Grade Phosphate	Manufacturer Guaranteed
67293	High Grade Phosphate	J. C. Holt, Irvine's Store
67595		O. C. O'Brien, Hillsboro
67830		Grigsby and Co., Bardstown
67831		Madison County Farm Bureau, Rich-
67832		mond
67833	Acid Phosphate	D. L. D. Sandefur, Beaver Dam
66981	Steamed Bone	Guaranteed
66983	Acid Phosphate	I. K. Miller and Sons, Campbellsville ..
67376	Potash Tobacco Grower	Guaranteed
67294	Rasin Monumental Co., (Subsidiary of Va-Car, Chem. Co., Inc.) Cin- cinnati, Nashville, Memphis Rasin's 16% Acid Phosphate	Manufacturer Guaranteed
67597		H. A. Spradlin, Monticello
67836		J. P. Page, Barlow
67837		J. H. Wyan, London
67295	Rasin's 20% Acid Phosphate	H. A. Spradlin, Monticello
67296	Rasin's 24% Acid Phosphate	Guaranteed
66794	Rasin's 10-5 Acid and Potash	H. A. Spradlin, Monticello
66795	Rasin's Royal Grain Grower	Guaranteed
67598	Rasin's Special Plant Food	H. A. Spradlin, Monticello
67838	Rasin's Reliable Wheat and Corn Fertilizer	Guaranteed
67839		H. A. Spradlin, Monticello
67297	Rasin's Big Giant Phosphate	J. H. Wyan, London
66799	Rasin's General Favorite	Guaranteed
		H. A. Spradlin, Monticello
		Guaranteed
		H. A. Spradlin, Monticello
		Guaranteed
		H. A. Spradlin, Monticello
		Guaranteed
		H. A. Spradlin, Monticello
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TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		POTASH		Index of Relative Value	Station Number	
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate		
18.20	0.80	19.00								21.8	66978
18.00	2.00	20.00								21.6	
16.90	0.90	17.80								20.3	67293
16.70	0.90	17.60								20.0	67595
16.85	0.60	17.45								20.2	67830
16.95	0.70	17.65								20.3	67831
17.30	0.75	18.05								20.8	67832
16.00	2.00	18.00								19.2	
15.15	0.65	15.80								18.2	67833
14.00	2.00	16.00								16.8	
		31.50	85	15		1.06	1.29			30.5	66981
		30.00				1.03	1.25			29.2	
12.65	9.50	22.15								15.2	66983
12.00	2.00	14.00								14.4	
11.10	0.40	11.50								7.40	31.6
10.00	2.00	12.00								5.00	25.8
19.30	0.80	20.10								23.2	67294
18.00	1.40	19.40								21.6	67597
17.95	0.75	18.70								21.5	67836
17.85	0.65	18.50								21.4	67837
16.00	1.50	17.50								19.2	
23.60	1.00	24.60								28.3	67295
20.00	1.50	21.50								24.0	
26.20	1.20	27.40								31.4	67296
24.00	1.50	25.50								28.8	
11.30	0.90	12.20								3.76	31.2
10.00	1.50	11.50								5.00	25.6
14.10	1.40	15.50								0.52	2.52
12.00	1.50	13.50								2.00	22.6
12.90	2.50	15.40				1.21	1.55	1.88			28.0
12.00	1.50	13.50					1.65	2.00			26.9
7.25	1.10	8.35				0.69	0.89	1.08	2.03		19.8
7.80	1.45	9.25				0.61	0.83	1.01	1.83		20.1
8.00	1.50	9.50					0.82	1.00	2.00		20.7
7.80	2.20	10.00				0.65	0.94	1.14	3.11		23.5
8.00	1.50	9.50					0.82	1.00	3.00		22.7
11.10	1.90	13.00				1.84	2.08	2.53	5.28		38.4
8.00	1.50	9.50					1.65	2.00	2.00		24.9

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Rasin Monumental Co., (Subsidiary of Va.-Car. Chem. Co., Inc.)	
67599	Rasin's Sweepstakes Fertilizer	J. H. Wyan, London
67840		J. H. Wyan, London
		Guaranteed
66801	Rasin's Truck and Tobacco Fertilizer	Manufacturer
		Guaranteed
67298	Rasin's 2-8-4 Tobacco Grower (Potash from Sulfate)	H. A. Spradlin, Monticello
67600		Martin and Hodgkin Supply Co., Winchester
		Guaranteed
67299	Rasin's Burley Tobacco Grower (Potash from Sulfate)	Farm Bureau, Elizabethtown
		Guaranteed
66804	Rasin's Phosphate and Bone Meal	Manufacturer
66805	Rasin's Pure Bone Meal	Guaranteed
66806	Rasin's Raw Bone Meal	Manufacturer
	Read Phosphate Co., Nashville, Tenn.	Guaranteed
67300	Read's Ky. Tobacco Grower	Barren Co. Grocery and Hdw. Co., Glasgow
67601		J. W. Hardiman, Mt. Carmel
67602		Young Hardware Co., Hopkinsville
67841		J. H. Jasper, Somerset
		Guaranteed
67603	Read's Standard Tobacco Grower	Farmers Union Supply Co., Carlisle
67604		Young Hardware Co., Hopkinsville
		Guaranteed
67301	Read's High Grade Tobacco Grower	I. K. Miller and Sons, Campbellsville
67605		D. S. Beard and Co., Hardinsburg
67606		Woodford Spears and Sons, Paris
67842		Finley Hardware Co., Madisonville
		Guaranteed
66585	Read's Special Burley Tobacco Grower	Manufacturer
		Guaranteed
66586	Read's Bright Leaf Tobacco Grower	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		POTASH		Index of Relative Value	Station Number	
Available	Insoluble	Total	Fine	Bone	Medium	Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate
13.10	2.40	15.50			1.33	1.67	2.03	1.98		32.9	67599
12.55	1.90	14.45			1.22	1.63	1.98	1.85		31.4	67840
12.00	1.50	13.50				1.65	2.00	2.00		30.9	
11.20	1.80	13.00			1.65	2.80	3.40			31.5	66801
9.00	1.50	10.50				2.47	3.00			26.5	
8.60	1.10	9.70			1.36	1.58	1.92	0.84	3.22	29.4	67298
9.30	1.50	10.80			1.36	1.58	1.92	0.64	3.09	29.9	67600
8.00	1.50	9.50				1.65	2.00		4.00	28.9	
8.20	1.40	9.60			1.95	2.33	2.83		6.07	36.7	67299
8.00	1.50	9.50				2.47	3.00		6.00	37.0	
9.80	13.80	23.60			0.30	1.14	1.38			25.9	66804
10.00	12.00	22.00				0.82	1.00			23.9	
		26.25	77	23		2.40	2.91			33.0	66805
		22.00				2.47	3.00			30.0	
		22.95	100			3.90	4.73			37.9	66806
		20.00				3.71	4.50			34.6	
7.50	9.70	17.20			0.75	1.26	1.53	1.78		25.0	67300
7.30	15.50	22.80			0.34	0.94	1.14	1.42		24.7	67601
8.90	10.70	19.60			0.49	1.14	1.38	0.88	0.42	28.5	67602
8.30	8.25	16.55			0.34	0.93	1.13	0.68	0.87	23.5	67841
8.00	5.00	13.00				0.82	1.00		1.00	20.1	
8.70	5.60	14.30			1.06	1.69	2.05	2.35		28.4	67603
7.75	3.70	11.45			0.69	1.80	2.19	1.80	0.85	27.4	67604
8.00	5.00	13.00				1.65	2.00		2.00	26.3	
8.85	5.45	14.30			0.90	1.59	1.93	4.14		31.7	67301
8.40	3.00	11.40			0.49	1.67	2.03	1.84	2.53	30.9	67605
7.80	7.40	15.20			0.90	1.60	1.94	1.72	2.34	30.8	67606
7.75	11.70	19.45			0.41	1.29	1.57	4.21		31.2	67842
8.00	4.00	12.00				1.65	2.00		4.00	29.9	
8.75	1.75	10.50			2.10	2.61	3.17		5.75	38.4	66585
8.00	3.00	11.00				2.47	3.00		5.00	35.6	
10.15	2.25	12.40			1.24	1.89	2.29	0.44	0.78	28.0	66586
9.00	4.00	13.00				1.65	2.00		1.00	25.4	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
67302	Read Phosphate Co. Read's Red Diamond Tobacco Grower	J. H. Jasper, Somerset Guaranteed
67843	Read's Premium Grain Grower	J. H. Jasper, Somerset Guaranteed
67304	† Read's Corn and Wheat Grower	J. H. Jasper, Somerset
67305		Thomas Bryant, Columbia
67306		Blankenship and Richards, Jamestown
67307	Guaranteed	
67609	Read's Farmers Special Manure	W. W. Owens, Jamestown
67845		J. S. Hamblin and Son, Auburn
67308	† Read's Kentucky Special	J. H. Jasper, Somerset
67309		Guaranteed
67847		W. I. Calhoun, Dent
67848	Cunningham and Richards, Wells Cross Roads	Cunningham and Richards, Wells Cross Roads
66595	Read's Blood and Bone No. 1	U. L. Antle, Columbia
67910		Guaranteed
67849	Read's Alkaline Bone	J. H. Jasper, Somerset
67611	Guaranteed	
67910	† Read's High Grade Potash Mixture	Guaranteed
66597		A. H. Dawson, Owingsville
66598	Eldred Hardware Co., Princeton	
67310	Guaranteed	
67311	Read's High Grade Acid Phosphate	Guaranteed
67312		Manufacturer
67850		Guaranteed
67851		Guaranteed
67852		U. L. Antle, Columbia
67613	Hines and Estes, Science Hill	
67313	G. C. Rowan, Livermore	
67314	Guaranteed	
67614	Read's Premium Acid Phosphate	Guaranteed
67853		Farmers Union, Lancaster
67854	Guaranteed	
67314	Read's Pure Raw Bone Meal	J. H. Jasper, Somerset
67614		Guaranteed
67853	Harry Lazarus, Bowling Green	
67854	Young Hardware Co., Hopkinsville	
67854	J. H. Jasper, Somerset	
67854	Hollingsworth Young Hardware Co.,	
67854	Guaranteed	Guaranteed

Analyses of Commercial Fertilizers.

237

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Muriate	Sulfate		
11.10	3.30	14.40			2.20	3.41	4.14		35.0	67302
10.00	4.00	14.00			3.29	4.00			33.1	
11.65	2.70	14.35			0.84	1.65	2.00	2.46		31.7
12.00	4.00	16.00			1.65	2.00	2.00		31.9	67843
11.20	5.40	16.60			0.56	1.09	1.32	3.35	32.1	67304
14.30	4.10	18.40			0.47	0.57	0.96		27.4	67305
13.40	5.30	18.70			0.52	0.63	0.91		26.6	67306
11.00	4.00	15.00			0.41	0.50	1.00		22.2	
10.70	4.30	15.00			0.34	0.99	1.20	2.72	28.2	67307
9.50	6.20	15.70			0.47	1.03	1.25	3.60	29.1	67609
10.70	2.80	13.50			0.86	1.04	3.04	0.71	29.0	67845
10.00	4.00	14.00			0.82	1.00	3.00		26.7	
10.20	6.00	16.20			0.51	0.62	3.84		27.9	67308
8.70	8.30	17.00			0.52	0.63	3.68		26.3	67309
8.50	8.80	17.30			0.21	0.60	0.73	2.96	27.1	67847
8.00	5.00	13.00			0.41	0.50	4.00		24.1	
9.85	4.45	14.30			1.09	2.21	2.68	2.57	32.8	67848
8.00	4.00	12.00			1.65	2.00		2.00	25.9	
11.10	12.30	23.40						3.24	28.1	66595
10.00	8.00	18.00						2.00	22.2	
9.80	10.90	20.70						4.15	27.4	67611
12.70	7.10	19.80						4.72	0.88	33.1
10.00	8.00	18.00						4.00	26.2	
15.10	6.80	21.90							18.1	66597
14.00	4.00	18.00							16.8	
19.50	1.70	21.20							23.4	67310
20.00	1.30	21.30							24.0	67311
17.00	4.10	21.10							20.4	67312
17.15	3.35	20.50							20.6	67850
17.40	3.30	20.70							20.9	67851
17.40	3.60	21.00							20.9	67852
16.00	2.00	18.00							19.2	
18.20	4.60	22.80							21.8	67613
18.00	1.00	19.00							21.6	
			22.50	50	0.28	3.75	4.55		36.8	67313
			22.50	52	0.65	3.89	4.72		37.5	67314
			20.50	53	0.44	4.01	4.87		36.5	67614
			21.15	58	0.31	3.64	4.42		35.1	67853
			21.80	54	0.24	3.27	3.97		33.8	67854
			20.00			3.71	4.50		34.6	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
66601	Read Phosphate Co. Read's Half and Half (Raw Bone Meal and Acid Phosphate)	Manufacturer Guaranteed Barren County Grocery and Hardware Co., Glasgow
67315	Read's Nitrate of Soda	Young Hardware Co., Hopkinsville
67615		Guaranteed
67316	Read's XXX Acid Phosphate	W. L. Calhoun, Dent
67855		U. L. Antle, Columbia
67317	† Read's High Grade Tobacco and Truck Grower	Guaranteed
67858	Red Diamond 20% Acid Phosphate	Harry Lazarus, Bowling Green
67616	Old Kentucky Tobacco Special	U. L. Antle, Columbia
67859	Bone Meal and Acid Phosphate	Guaranteed
67860	Bone Meal	Farmers Union, Lancaster
67012	St. Matthews Produce Exchange, St. Matthews, Ky.	Guaranteed
	Potato Grower	J. H. Jasper, Somerset
		Guaranteed
		J. H. Jasper, Somerset
		Guaranteed
		J. H. Jasper, Somerset
		Guaranteed
		J. H. Jasper, Somerset
		Guaranteed
		J. H. Jasper, Somerset
		Guaranteed
		J. H. Jasper, Somerset
		Guaranteed
		J. H. Jasper, Somerset
		Guaranteed
		J. H. Jasper, Somerset
		Guaranteed
		J. H. Jasper, Somerset
		Guaranteed

*The manufacturer failed to furnish sample required by law.

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		POTASH		Index of Relative Value	Station Number	
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate		
12.15	10.70	22.85			1.98	2.40				32.4	66601
10.00	10.00	20.00			1.85	2.25				28.3	
					14.78	17.94				73.9	67315
					15.38	18.68				76.9	67615
15.80	5.60	21.40			15.00	18.22				75.0	
13.40	7.25	20.65								19.0	67316
12.00	2.00	14.00								16.1	67855
										14.4	
8.50	2.60	11.10			0.90	1.64	1.99	1.80	7.78	41.2	67317
8.00	5.00	13.00				1.65	2.00		8.00	38.3	
19.40	2.45	21.85								23.3	67858
20.00	2.00	22.00								24.0	
8.00	8.20	16.20			1.77	2.71	3.29	5.68		40.2	67616
8.00	3.00	11.00				2.47	3.00			37.6	
11.65	10.20	21.85			0.45	1.19	1.44			27.5	67859
12.00	8.00	20.00				0.82	1.00			25.3	
			60	40	0.94	2.30	2.79			32.7	67860
						2.47	3.00			31.6	
8.00	2.00	10.00				2.47	3.00	6.00		37.2	67012
11.80	1.35	13.15			1.14	1.59	1.93	6.01		38.2	67052
12.00						1.65	2.00	6.00		38.3	
11.70	1.50	13.20			1.14	1.63	1.98	2.00		30.3	67053
12.00						1.65	2.00	2.00		30.3	
16.60	1.10	17.70								19.9	67055
16.00										19.2	
20.15	0.40	20.55								24.2	67056
20.00										24.0	
7.70	1.10	8.80			0.50	0.81	0.98	7.15		30.3	67057
8.00						0.82	1.00	7.00		30.1	
7.90	1.20	9.10			0.44	0.76	0.92	3.92		24.0	67058
8.00						0.82	1.00	4.00		24.1	
9.45	1.55	11.00			0.48	0.80	0.97	2.05		22.9	67059
8.00						0.82	1.00	2.00		20.1	
9.60	1.00	10.60							2.21	19.2	67060
10.00								2.00		19.0	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
67618	The Smith Agricultural Chemical Co. Smith's Standard 3-8-6	J. C. Everett and Co., Maysville Guaranteed
67080	Smith's Standard 18% Acid Phosphate	Manufacturer Guaranteed
67619	Smith Brothers, New Albany, Ind. Bone and Potash	W. A. Jennings, La Grange Guaranteed
67045	Corn and Wheat Grower	Manufacturer Guaranteed
67620	Champion Tobacco and Potato Grower	W. A. Jennings, La Grange Guaranteed
67048	Half and Half	Manufacturer Guaranteed
67621	Kentucky Tobacco Grower	W. A. Jennings, La Grange Guaranteed
67050	Champion Crop Grower	Manufacturer Guaranteed
67051	Acid Phosphate	Manufacturer Guaranteed
	Southern Agricultural Chemical Corporation, Atlanta, Ga.	* Guaranteed
67097	S. A. C. Fertilizer (10-4-4)	* Guaranteed
67098	S. A. C. Fertilizer (10-3-3)	* Guaranteed
67099	S. A. C. Fertilizer (8-4-4)	* Guaranteed
67100	S. A. C. Fertilizer (8-3-3)	* Guaranteed
67101	S. A. C. Fertilizer (8-2-2)	* Guaranteed
67102	S. A. C. Acid Phosphate	* Guaranteed
	Southern Fertilizer Co., Inc., Louisville, Ky.	
67622	Elk Corn and Wheat Grower	Corbin Supply Co., Corbin
67623	Elk General Crop Grower	Guaranteed
67624		Corbin Supply Co., Corbin
67861		Conrad, Payne and Co., Cloverport
		Corbin Supply Co., Corbin
		Guaranteed

*The manufacturer failed to furnish sample required by law.

Analyses of Commercial Fertilizers.

241

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine	Bone	Water Soluble	Total	Muriate	Sulfate		
8.10	1.20	9.30			1.94	2.36	2.87	7.97	40.4	67618
8.00					2.47	3.00		6.00	36.4	
17.50	1.30	18.80							21.0	67080
18.00									21.6	
10.90	0.90	11.80								
10.00	2.00	12.00							20.4	67619
12.55	1.85	14.40			0.33	0.78	0.95	2.00	19.8	
12.00	2.00	14.00				0.82	1.00		23.5	67045
11.20	1.90	13.10			1.03	1.87	2.27	1.74	30.4	67620
10.00	2.00	12.00				1.65	2.00	2.00	28.1	
6.95	6.40	13.35			1.02	1.64	1.99	1.12	23.4	67048
6.00	7.00	13.00				1.65	2.00	1.00	22.1	
7.60	3.40	11.00			0.89	1.90	2.31	4.66	31.6	67621
8.00	2.00	10.00				1.65	2.00	4.00	29.1	
12.00	1.80	13.80			0.55	1.80	2.19	3.38	34.5	67050
12.00	2.00	14.00				1.65	2.00	2.00	31.0	
18.70	2.00	20.70							22.4	67051
16.00	2.00	18.00							19.2	
10.00						3.29	4.00	4.00	39.5	67097
10.00						2.47	3.00	3.00	33.4	67098
8.00						3.29	4.00	4.00	36.5	67099
8.00						2.47	3.00	3.00	30.4	67100
8.00						1.65	2.00	2.00	24.3	67101
16.00									19.2	67102
7.70	0.90	8.60			0.43	0.70	0.85	0.95	17.3	67622
7.00	1.00	8.00				0.82	1.00		17.0	
10.50	0.80	11.30			0.34	0.58	0.70	1.13	21.2	67623
10.10	1.20	11.30			0.35	0.56	0.68	0.97	19.9	67624
10.40	0.90	11.30			0.45	0.45	0.55	0.74	19.7	67861
10.00	1.00	11.00				0.41	0.50		1.00	19.5

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
67625	Southern Fertilizer Co., Inc. Elk Tobacco Grower	Conrad, Payne and Co., Cloverport Guaranteed
67862	Atlas Phosphate	Ratliff Hardware Co., Princeton
67073	Elk Potash Special	Guaranteed
67091	Elk Wheat, Corn and Tobacco Special	Manufacturer Guaranteed
	Swift and Co., Inc., National Stock Yards, Ill.	
67321	†Swift's Red Steer 3-8-6 Fertilizer	J. F. Collings, Shepherdsville
67322		J. W. Hicks, Upton
67626		W. C. Bonta, Pleasureville
67627		Millersburg Coal and Lumber Co., Millersburg
67628		Tandy and Jones, Eminence
67629	Swift's Tankage and Bone Phosphate	Guaranteed
67630	†Swift's Diamond "W" Veg. and Tob. Grower	W. S. Overstreet, La Grange
67631		Guaranteed
67863		
67324	Swift's Diamond "W" Tobacco Grower	W. S. Overstreet, La Grange
67325	Swift's Diamond "A" Fertilizer	Jno. B. Marriott, Cecilia
67326	Swift's Diamond "K" Grain Grower	Young and Bishop, Providence
67632		Guaranteed
67864		
66401	Swift's Diamond "B" Fertilizer	I. K. Miller and Sons, Campbellsville
66402	Swift's Grain and Tobacco Grower	Harvey Stout and Sons, Buechel
66404	Swift's Special Grain Grower	I. K. Miller and Sons, Campbellsville
		Guaranteed
		Manufacturer
		Guaranteed
		Manufacturer
		Guaranteed
		Manufacturer
		Guaranteed

TABLE I.

Available	PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Muriate	Sulfate				
11.10	1.00	12.10			0.85	1.27	1.54	1.77		26.9	67625	
8.00	1.00	9.00				1.65	2.00		1.00	22.7		
15.90	1.00	16.90								19.1	67862	
16.00										19.2		
8.15	1.00	9.15			0.84	0.84	1.02	4.57		26.0	67073	
8.00	1.00	9.00				0.82	1.00	4.00		24.5		
8.15	0.80	8.95			1.29	1.66	2.02	2.36		25.6	67091	
8.00	1.00	9.00				1.65	2.00	2.00		24.7		
8.30	1.80	10.10			1.74	2.47	3.00	0.60	5.30	37.3	67321	
8.60	0.80	9.40			2.43	2.43	2.95	5.91		37.4	67322	
8.50	0.80	9.30			2.47	2.47	3.00	5.89		37.2	67626	
8.70	1.60	10.30			1.83	2.48	3.01	0.60	4.99	37.3	67627	
8.30	1.90	10.20			1.74	2.46	2.99	0.96	4.55	36.5	67628	
8.00	1.00	9.00				2.47	3.00	6.00		36.8		
13.20	0.90	14.10			0.62	0.93	1.13			24.8	67629	
12.00	1.00	13.00				0.82	1.00			22.5		
7.70	1.00	8.70			1.52	1.52	1.85	3.21		26.0	67630	
8.30	1.40	9.70			1.16	1.57	1.91	3.06		27.0	67631	
8.40	0.70	9.10			1.60	1.60	1.94	3.14		27.2	67863	
8.00	1.00	9.00				1.65	2.00	3.00		26.7		
8.40	1.10	9.50			1.41	1.56	1.89	1.14		23.1	67324	
8.00	1.00	9.00				1.65	2.00	1.00		22.7		
8.40	1.30	9.70			1.80	2.26	2.74	2.89		30.2	67325	
8.00	1.00	9.00				2.47	3.00	3.00		30.8		
11.80	2.00	13.80			0.67	0.89	1.08	1.06		25.1	67326	
13.60	1.70	15.30			0.59	0.81	0.98	0.84		26.8	67632	
12.20	1.10	13.30			0.70	1.01	1.23	1.22		26.2	67864	
12.00	1.00	13.00				0.82	1.00	1.00		24.5		
8.40	1.20	9.60			1.93	2.48	3.01		5.63	36.7	66401	
8.00	1.00	9.00				2.47	3.00	5.00		34.8		
10.55	2.35	12.90			1.60	1.75	2.12	2.48	1.85	34.2	66402	
10.00	1.00	11.00				1.65	2.00	4.00		31.7		
10.50	1.30	11.80			1.50	1.65	2.00	2.00		28.5	66404	
10.00	1.00	11.00				1.65	2.00	2.00		27.7		

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Swift and Co., Inc.	
67328	Swift's Complete Fertilizer	J. W. Hicks, Upton
67634		J. S. Collier, Crab Orchard
67635		Byrnley Supply Co., Pineville
66406	Swift's Blood and Phosphate	Guaranteed
		Manufacturer
67636	Swift's Champion Wheat and Corn Grower	Guaranteed
67637		J. S. Collier, Crab Orchard
67638		Byrnley Supply Co., Pineville
66408	Swift's Red Steer 4-12-0 Fertilizer	John B. Mariott, Cecilia
66409	Swift's Corn and Oats Special	Guaranteed
67329	Swift's Red Steer 0-14-4 Fertilizer	Manufacturer
67865		Guaranteed
66411	Swift's 12-4 Phosphate and Potash	W. E. Burress and Co., Greensburg
66412	Swift's 14-2 Phosphate and Potash	W. E. Burress and Co., Greensburg
67639	Swift's Red Steer 20% Acid Phosphate	Guaranteed
67331	Swift's High Grade Acid Phosphate Fertilizer	J. L. Townsend, Clay
67640		Guaranteed
67641		D. E. Patterson, Hodgenville
67642	Swift's Bone Meal and Phosphate Fertilizer	W. L. Henderson and Sons, Caneyville
67866		Harvey Stout and Son, Buechel
66416	Swift's Raw Bone Meal Fertilizer	Guaranteed
66417	Swift's 2½-29 Bone Meal Fertilizer	Manufacturer
67332	Swift's 1¼-29 Bone Meal Fertilizer	Guaranteed
67333		Wm. J. Dalton, Naney
67643		I. K. Miller and Sons, Campbellsville
67867		Yopp Seed Co., Paducah
67868		I. K. Miller and Sons, Campbellsville
66732	Swift's Red Steer 2-16-2	Young and Bishop, Providence
		Guaranteed
		Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID	PERCENTAGE OF FINENESS			NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number	
	Available	Insoluble	Total	Fine	Bone		Water Soluble	Total	Muriate		
7.90	0.70	8.60				0.73	0.83	1.01	1.16	18.6	67328
8.75	1.05	9.80				0.97	0.97	1.18	1.13	20.7	67634
8.15	1.35	9.50				0.78	1.05	1.27	1.04	0.58	21.3
8.00	1.00	9.00					0.82	1.00	1.00		18.5
12.35	1.00	13.35				1.23	1.69	2.05		27.4	66406
12.00	1.00	13.00					1.65	2.00			26.7
11.90	1.40	13.30				1.50	1.72	2.09	2.18	31.4	67636
11.85	1.95	13.80				1.40	1.67	2.03	3.41	33.7	67637
12.50	1.30	13.80				1.47	1.69	2.05	2.06	31.8	67638
12.00	1.00	13.00					1.65	2.00	2.00		30.7
11.75	0.85	12.60				3.35	3.35	4.07		34.7	66408
12.00	1.00	13.00					3.29	4.00			34.9
9.80	1.50	11.30				1.60	1.60	1.94		23.3	66409
10.00	1.00	11.00					1.65	2.00			23.7
14.40	0.80	15.20							4.15	30.2	67329
14.80	0.35	15.15							3.46	30.2	67865
14.00	1.00	15.00							4.00	29.4	
12.65	0.65	13.30							4.07	27.4	66411
12.00									4.00		26.0
14.65	0.55	15.20							2.01	26.2	66412
14.00									2.00		25.0
20.70	0.50	21.20								24.8	67639
20.00										24.0	
17.40	0.50	17.90								20.9	67331
17.50	0.80	18.30								21.0	67640
16.60	0.80	17.40								19.9	67641
16.00										19.2	
15.90	5.20	21.10				0.50	0.98	1.19		30.8	67642
15.10	5.80	20.90				0.32	0.87	1.06		29.3	67866
15.00	5.00	20.00					0.82	1.00			28.6
		23.80	100			0.66	3.57	4.33		36.9	66416
		23.00					3.71	4.50			37.0
		29.00	76	24	0.28	1.87	2.27			32.6	66417
		29.00					1.85	2.25			32.5
		29.60	81	19	0.39	1.75	2.12			32.4	67332
		30.70	88	12	0.43	1.61	1.95			32.6	67333
		29.70	85	15	0.23	1.61	1.95			31.8	67643
		28.25	87	13	0.33	1.54	1.87			30.3	67867
		28.00	87	13	0.35	1.71	2.08			31.0	67868
		29.00					1.03	1.25			28.4
16.60	0.70	17.30				1.52	1.69	2.05	2.27	38.2	66732
16.00	1.00	17.00					1.65	2.00	2.00		36.7

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
67334	Swift and Co., Inc. Swift's Red Steer 2-12-6	Wm. J. Dalton, Nancy Guaranteed
66734	Swift's Nitrate of Soda	Manufacturer
66735	Swift's Sulphate of Ammonia	Guaranteed
66736	Swift's Kemfert Potash Salts	Manufacturer
66737	Swift's Red Steer 3-8-6 Tobacco Grower	Guaranteed
67121	Taylor and Powell Fertilizer Co., Inc., Springfield, Tenn. Pure Bone Meal	Manufacturer Guaranteed
67335	Tennessee Chemical Co., (Armour owned), Louisville, Cincinnati, Nashville Ox 16% Acid Phosphate	H. D. Jones, Glasgow McChesney and Thompson, Trenton
67645		J. S. Duke, Crab Orchard
67646		H. D. Jones, Glasgow
67869		Young Hardware Co., Hopkinsville
67870		Guaranteed
67336	Ox 20% Acid Phosphate	H. D. Jones, Glasgow
67647	Ox 1-8-1 Fertilizer	Guaranteed
67648		C. F. Roberts and Co., Olive Hill
67649	Ox 1-12-1 Fertilizer	Pineville Produce Co., Pineville
66459	Ox 2-8-2 Fertilizer	Guaranteed
66460	Ox 2-12-0 Fertilizer	Manufacturer
66461	Ox 2-12-2 Fertilizer	Guaranteed
66462	Ox 2-10-4 Fertilizer	Manufacturer
67651	Ox 0-12-4 Fertilizer	Guaranteed
67873	Ox Raw Bone	McChesney and Thompson, Trenton H. D. Jones, Glasgow Guaranteed

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine	Bone	Medium	Bone	Water Soluble	Total	Muriate	Sulfate	
11.50	1.20	12.70			1.16	1.65	2.00	6.61		39.2	67334
12.00	1.00	13.00				1.65	2.00	6.00		38.7	
						15.60	18.94			78.0	66734
						14.80	17.97			74.0	
						20.70	25.12			103.5	66735
						20.97	25.46			104.9	
								60.08		120.2	66736
								58.75		117.5	
7.90	1.45	9.35			2.02	2.50	3.04	0.48	5.51	36.9	66737
8.00	1.00	9.00				2.47	3.00		6.00	36.8	
			23.65	91	9	0.98	3.48	4.22		36.3	67121
			23.00				2.47	3.00		30.8	
16.40	2.30	18.70								19.7	67335
17.00	1.50	18.50								20.4	67645
16.45	0.75	17.20								19.7	67646
16.65	0.95	17.60								20.0	67869
16.65	0.95	17.60								20.0	67870
16.00	1.00	17.00								19.2	
20.10	2.00	22.10								24.1	67336
20.00	1.00	21.00								24.0	
8.60	0.70	9.30			0.54	0.91	1.10	1.03		19.8	67647
8.20	0.60	8.80			0.63	0.88	1.07	1.04		19.0	67648
8.00	1.00	9.00				0.82	1.00	1.00		18.5	
11.95	1.10	13.05			0.65	1.02	1.24	1.24		26.0	67649
12.00	1.00	13.00				0.82	1.00	1.00		24.5	
8.60	3.30	11.90			1.12	1.70	2.06	2.69		28.1	66459
8.00	1.00	9.00				1.65	2.00	2.00		24.7	
13.20	2.70	15.90			1.31	1.98	2.40			30.8	66460
12.00	1.00	13.00				1.65	2.00			26.7	
12.80	2.60	15.40			1.08	1.66	2.02	1.94		32.4	66461
12.00	1.00	13.00				1.65	2.00	2.00		30.7	
10.60	2.40	13.00			1.26	1.86	2.26	3.94		34.0	66462
10.00	1.00	11.00				1.65	2.00	4.00		31.7	
11.90	2.40	14.30						3.99		26.8	67651
12.00	1.00	13.00			23.35	94	6	0.24	3.92	4.76	38.3
					22.00				3.71	4.50	36.2

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
67337	Tennessee Chemical Co., (Armour Owned) Ox Dark Tobacco Grower	H. D. Jones, Glasgow
67652		J. J. Shaver and Co., Mayfield
67653		J. S. Duke, Crab Orchard
66469	Ox Potato Grower	Guaranteed
66470	Ox Black Patch Special	Manufacturer
66471	Ox Plant Bed Special	Guaranteed
66668	Ox Superior Tobacco Grower	Manufacturer
67687	Ox 17% Acid Phosphate	Guaranteed
67655	Ox Special Tobacco Guano	Manufacturer
67340	Tennessee Coal Iron and Railroad Co., Birmingham, Ala. Duplex Basic Phosphate	T. J. Turley Co., Owensboro
67341		Guaranteed
67342		
67675		
67875		
67876		
67877		
67894	United Chemical Products Co., Buena Vista, Va. Old Gardner High Grade Odorless	Farmers Union Supply Co., Glasgow
67343		Farmers Union Supply Co., Somerset
67658		Woodson Lewis and Son, Greensburg
67344	Victor Guano Co., Nashville, Tenn. Standard Tobacco Grower	C. C. Ball, Bedford
66622	High Grade Tobacco and Truck Grower	Hardin County Farm Bureau, Elizabethtown
66623	Burley Tobacco Grower	Farmers Union Supply Co., Somerset
66623	Bright Leaf Tobacco Guano	Taylor County Supply Co., Campbellsville
		Guaranteed
</td		

TABLE I.

Available	PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
	Insoluble	Total		Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
8.50	1.00	9.50			0.79	1.56	1.89		3.68	28.3	67337	
8.85	2.00	10.85			0.92	1.68	2.04		4.02	30.5	67652	
7.95	0.80	8.75			0.95	1.69	2.05	0.60	3.46	28.8	67653	
8.00	1.00	9.00				1.65	2.00		4.00	28.7		
8.70	1.85	10.55			1.44	2.51	3.05	1.24	5.03	38.9	66469	
8.00	1.00	9.00				2.47	3.00		6.00	36.8		
8.70	1.85	10.55			1.44	2.51	3.05	1.24	5.03	38.9	66470	
8.00	1.00	9.00				2.47	3.00		6.00	36.8		
8.30	2.80	11.10			2.43	3.36	4.08		3.10	36.6	66471	
8.00	1.00	9.00				3.29	4.00		3.00	34.9		
11.20	2.90	14.10							4.99	27.9	66668	
10.00	1.00	11.00							5.00	25.4		
17.80	0.30	18.10								21.4	67687	
17.00	1.00	18.00								20.4		
10.40	2.30	12.70			0.85	1.34	1.63	1.78		26.8	67655	
10.00	1.00	11.00				1.65	2.00		2.00	27.7		
			19.20							23.0	67340	
			19.30							23.2	67341	
			18.90							22.7	67342	
			19.20							23.0	67675	
			17.55							21.1	67875	
			18.00							21.6	67876	
			18.50							22.2	67877	
			18.00							21.6		
10.10	0.60	10.70			2.82	2.82	3.42	5.25		40.0	67894	
10.00	1.00	11.00				2.50	3.04	4.00		35.9		
8.40	5.80	14.20			0.70	1.63	1.98	1.95		27.0	67343	
8.65	7.70	16.35			0.53	1.43	1.74	2.27		27.8	67658	
8.00	5.00	13.00				1.65	2.00		2.00	26.3		
7.60	3.70	11.30			0.63	1.64	1.99	1.12	3.22	29.8	67344	
8.00	4.00	12.00				1.65	2.00		4.00	29.9		
8.75	1.75	10.50			2.10	2.61	3.17		5.75	38.4	66622	
8.00	3.00	11.00				2.47	3.00		5.00	35.6		
10.15	2.25	12.40			1.24	1.89	2.29	0.44	0.78	28.0	66623	
9.00	4.00	13.00				1.65	2.00		1.00	25.4		

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
66624	Victor Guano Co. Ky. High Grade Tobacco Grower	Manufacturer
66625	Ky. Home Guano	Guaranteed
66626	Ky. Soil Food	Manufacturer
67345	Wheat, Oat and Corn Grower	Guaranteed
66628	Bone and Potash	E. C. Humble, Russell Springs
66629	High Grade Bone and Potash	Guaranteed
66630	High Grade Acid Phosphate	Manufacturer
67346	Special High Grade Acid Phosphate	Guaranteed
67659		Farm Bureau, Bowling Green
66632	Premium Acid Phosphate	Young Hardware Co., Hopkinsville
	Virginia-Carolina Chemical Co., Inc., Cincinnati, Nashville, Memphis	Guaranteed
67347	V-C 16% Acid Phosphate	Manufacturer
67348		Guaranteed
67660		Brownlee, Kennedy and Crutcher, Muncie
67878		Taylor County Supply Co., Campbellsville
67879		Jas. L. Rice, Adairville
67880		Burton Bros. and Tartar Bros., Somerset
67662	V-C 20% Acid Phosphate	A. W. Tarter, Columbia
67881		Pointer Hardware Co., Horse Cave
67349	V-C 24% Acid Phosphate	Guaranteed
67661		J. W. Perkey, Berea
67882		J. C. Dodson, Burnside
67883		Taylor County Supply Co., Campbellsville
67884	V-C Capitol Phosphate and Potash	Guaranteed
67885		A. W. Tarter, Columbia
		Burton Bros. and Tartar Bros., Somerset
		Guaranteed

TABLE I.

Available	PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
	Insoluble	Total		Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
12.80	3.40	16.20				0.94	1.88	2.28	2.00	0.55	35.1	66624
12.00	2.00	14.00					1.65	2.00		2.00	31.1	
9.05	6.55	15.60				0.29	0.85	1.03		1.74	23.9	66625
8.00	5.00	13.00					0.82	1.00	1.00		20.1	
9.55	8.60	18.15				0.31	0.53	0.64	3.22	1.81	30.5	66626
8.00	5.00	13.00					0.41	0.50	4.00		24.1	
11.30	6.80	18.10					0.47	0.57	0.80		23.6	67345
11.00	4.00	15.00					0.41	0.50	1.00		22.2	
11.10	12.30	23.40								3.24	28.1	66628
10.00	8.00	18.00								2.00	22.2	
11.20	11.30	22.50								5.43	32.2	66629
10.00	8.00	18.00								4.00	26.2	
15.10	6.80	21.90									18.1	66630
14.00	4.00	18.00									16.8	
17.10	3.60	20.70									20.5	67346
18.40	2.20	20.60									22.1	67659
16.00	2.00	18.00									19.2	
20.00	3.70	23.70									24.0	66632
18.00	2.00	20.00									21.6	
16.80	4.20	21.00									20.2	67347
19.50	0.80	20.30									23.4	67348
19.15	0.80	19.95									23.0	67660
17.40	0.70	18.10									20.9	67878
17.60	0.75	18.35									21.1	67879
18.50	2.35	20.85									22.2	67880
16.00	1.50	17.50									19.2	
22.45	0.90	23.35									26.9	67662
22.30	1.20	23.50									26.8	67881
20.00	1.50	21.50									24.0	
24.10	1.00	25.10									28.9	67349
26.45	0.80	27.25									31.7	67661
25.05	1.30	26.35									30.1	67882
25.40	0.80	26.20									30.5	67883
24.00	1.50	25.50									28.8	
11.10	1.30	12.40							5.20		27.6	67884
10.10	1.30	11.40							5.28		26.2	67885
10.00	1.50	11.50							5.00		25.6	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
66777	Virginia-Carolina Chemical Co., Inc.	Manufacturer Guaranteed
66777	V-C Sure Grain Producer
67663	†V-C Champion Corn and Wheat Grower	J. K. Butcher and Co., Paintsville
66779	V-C Farmer's Friend	Guaranteed
67351	†V-C Beef, Blood and Bone "BBB"	Manufacturer
67664		Guaranteed
67665		Taylor County Supply Co., Campbellsville
67887		Cadiz Trading Co., Cadiz
67352	V-C Big Giant Crop Grower	Eversole Feed Co., London
67889		J. C. Dodson, Burnside
67890		Guaranteed
67891	V-C Springfall Fertilizer	E. M. Ford and Son, Cave City
67353	V-C Progressive Farmer	K. A. Spradlin, Monticello
67892		G. M. Hedrick, Monticello
67354	V-C 2-8-4 Tobacco Special (Potash from Sulfate)	Guaranteed
67355		Burton Bros., and Tartar Bros., Somerset
67667		Guaranteed
67356	†V-C Tobacco and Truck Special (Potash from Sulfate)	G. M. Hedrick, Monticello
67357		E. M. Ford and Son, Cave City
66787	V-C Pure Bone Meal	Guaranteed
66788	V-C Raw Bone Meal	Manufacturer
67893	V-C Bone Meal and Phosphate	Guaranteed
66790	V-C 10% Acid Phosphate	J. C. Dodson, Burnside
		Guaranteed

TABLE I.

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Wood-Stubbs and Co., Louisville, Ky.	
67018	Acme Special Potato Grower	Manufacturer
67019	Acme Blue Ribbon Potato Grower	Guaranteed
67021	Acme High Grade Vegetable Grower	Manufacturer
67022	Acme Truckers Special	Guaranteed
67023	Acme Tobacco Grower	Manufacturer
67024	Acme High Grade Phosphate	Guaranteed
67025	Acme Steamed Bone	Manufacturer
67026	Acme Raw Bone	Guaranteed
67027	Acme Three-Eight-Five Fertilizer	Manufacturer

TABLE I.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		POTASH		Index of Relative Value	Station Number	
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate		
9.60	6.60	16.20			1.07	1.81	2.20	0.64	2.77	32.8	67018
8.00	4.00	12.00				1.65	2.00		3.00	27.9	
9.00	3.20	12.20			1.87	2.77	3.36	1.48	5.21	42.0	67019
8.00	4.00	12.00				2.47	3.00		6.00	38.0	
10.95	3.65	14.60			2.28	3.59	4.36			35.8	67021
10.00	4.00	14.00				3.29	4.00			33.1	
11.15	3.10	14.25			1.19	1.96	2.38	4.23		36.2	67022
10.00	4.00	14.00				1.65	2.00	4.00		32.9	
9.10	6.60	15.70			1.16	1.92	2.33	4.18		34.3	67023
8.00	4.00	12.00				1.65	2.00	4.00		29.9	
17.60	2.60	20.20								21.1	67024
16.00	2.00	18.00								19.2	
		31.60	85	15		1.06	1.29			30.6	67025
		30.00				1.03	1.25			29.2	
		23.50	68	32	0.36	4.64	5.63			42.0	67026
		22.00				3.71	4.50			36.2	
9.30	3.95	13.25			1.75	2.68	3.25	0.76	4.86	40.2	67027
8.00	4.00	12.00				2.47	3.00		5.00	36.0	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The American Agricultural Chem. Co., Inc., Cincinnati, O.	
67123	+A. A. C. Ky. Tobacco Grower	J. P. Simmons, Junction City
67124		Skidmore-Spencer Hdw. Co., Elizabethtown
67700		J. H. Schoolcraft, Somerset
66491	A. A. C. Tobacco and Truck Fertilizer	Guaranteed
66492	A. A. C. High Grade Fertilizer	Manufacturer
67136	Bowker's Harvest Bone Phosphate	Guaranteed
67708		Manufacturer
66497	Bowker's Harvest Queen	Guaranteed
67138	+Bowker's Corn and Wheat Phosphate	Manufacturer
67391		Guaranteed
67393	+Bowker's Grain and Grass Grower	J. P. Simmons, Junction City
66501	Bowker's Tobacco and Truck Grower	R. L. McFarlan, Mt. Vernon
67140	+Bowker's High Grade Tobacco Grower	Guaranteed
67142	+Bowker's Tobacco Grower	T. E. Richardson, Campbellsville
67144		Guaranteed
67145	Bowker's High Grade Fertilizer	J. L. Tabor, Bowling Green
67146		T. E. Richardson, Campbellsville
67395		Guaranteed
		John Riffe, Moreland
		W. P. Ray and Son, New Haven
		W. R. Bastin, Lancaster
		Guaranteed
66507	Bradley's High Grade Tobacco Grower	Manufacturer
66510	Bradley's Faultless Grain Grower	Guaranteed
66511	Bradley's Sure Crop	Manufacturer
		Guaranteed

TABLE II.

PHOSPHORIC ACID	PERCENTAGE OF FINENESS			NITROGEN			POTASH		Index of Relative Value	Station Number	
	Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	
8.40	1.50	9.90			1.43	1.70	2.06	2.12		25.9	67123
8.30	1.10	9.40			1.43	1.72	2.09	2.20		25.9	67124
8.25	1.10	9.35			1.33	1.61	1.95	2.24		25.4	67700
8.00	4.00	12.00				1.65	2.00	2.00		25.9	
7.95	1.35	9.30			1.34	1.66	2.02		5.87	32.5	66491
8.00	4.00	12.00				1.65	2.00		5.00	31.9	
8.40	1.30	9.70			2.08	2.49	3.02	6.38		38.3	66492
8.00	4.00	12.00				2.47	3.00	6.00		38.0	
8.20	1.00	9.20			0.71	0.96	1.17	1.06		19.6	67136
8.55	1.05	9.60			0.63	0.84	1.02	1.16		19.8	67708
8.00	4.00	12.00				0.82	1.00	1.00		19.7	
8.30	1.05	9.35			0.53	0.84	1.02	2.27		21.6	66497
8.00	4.00	12.00				0.82	1.00	2.00		21.7	
10.30	1.40	11.70			0.66	0.86	1.04	1.03		22.4	67138
10.50	0.90	11.40			0.63	0.81	0.98	1.42		23.0	67391
10.00	4.00	14.00				0.82	1.00	1.00		22.7	
8.40	1.10	9.50			1.52	1.79	2.17	2.31		26.6	67393
8.00	4.00	12.00				1.65	2.00	2.00		25.9	
10.20	1.60	11.80			1.89	2.48	3.01	1.19		30.7	66501
10.00	4.00	14.00				2.47	3.00	1.00		31.0	
10.00	1.60	11.60			2.06	2.51	3.05	1.04	2.53	35.3	67140
10.00	4.00	14.00				2.47	3.00		3.00	35.0	
8.00	1.00	9.00			1.43	1.71	2.08		6.34	33.6	67142
8.50	1.30	9.80			1.13	1.41	1.71	1.04	2.05	26.5	67144
8.00	4.00	12.00				1.65	2.00		5.00	31.9	
7.50	1.10	8.60			1.39	2.56	3.11	7.71		39.9	67145
8.10	1.10	9.20			2.20	2.47	3.00	6.31		37.6	67146
8.60	0.70	9.30			2.18	2.47	3.00	6.15		37.8	67395
8.00	4.00	12.00				2.47	3.00	6.00		38.0	
10.30	1.05	11.35			1.96	2.49	3.02		3.06	34.4	66507
10.00	4.00	14.00				2.47	3.00		3.00	35.0	
8.20	1.35	9.55			0.53	0.85	1.03	1.07		19.2	66510
8.00	4.00	12.00				0.82	1.00	1.00		19.7	
8.30	1.05	9.35			0.53	0.84	1.02	2.27		21.6	66511
8.00	4.00	12.00				0.82	1.00	2.00		21.7	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
66512	The American Agricultural Chem. Co., Inc. Bradley's Potato and Root Fertilizer	Manufacturer Guaranteed
66513	Bradley's Corn and Wheat Phosphate	Manufacturer Guaranteed
66514	Bradley's Grain and Grass Grower	Manufacturer Guaranteed
66515	Bradley's Tobacco and Truck Grower	Manufacturer Guaranteed
66520	Cleveland Dryer Works Faultless Grain Grower	Manufacturer Guaranteed
66521	Cleveland Dryer Works Sure Crop	Manufacturer Guaranteed
66522	Cleveland Dryer Works Potato and Tobacco Fertilizer	Manufacturer Guaranteed
66523	Cleveland Dryer Works Phospho Bone	Manufacturer Guaranteed
66524	Cleveland Dryer Works Grain and Grass Grower	Manufacturer Guaranteed
66525	Cleveland Dryer Works Tobacco and Truck Grower	Manufacturer Guaranteed
66526	Cleveland Dryer Works High Grade Tobacco Grower	Manufacturer Guaranteed
67149	Red Line Complete Manure	J. F. Collings, Shepherdsville
67401		A. G. Morrison, Calhoun
67715		J. F. Collings, Shepherdsville
67717		J. W. Schoolerraft, Somerset
67718		Woodson Lewis and Son, Greensburg
67719	Michigan Carbon Works Sure Crop	Guaranteed
67720		J. W. Schoolerraft, Somerset
67402	Homestead A-1 Potash Fertilizer	Mayhew Feed Co., Franklin
		Guaranteed
		C. L. Mason, Fordsville
		Guaranteed

TABLE II.

	PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		POTASH		Index of Relative Value	Station Number
	Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	
8.35	1.10	9.45			0.53	0.84	1.02	3.14		23.5	66512
8.00	4.00	12.00				0.82	1.00	3.00		23.7	
10.30	1.30	11.60			0.54	0.83	1.01	1.11		22.3	66513
10.00	4.00	14.00				0.82	1.00	1.00		22.7	
7.90	1.60	9.50			1.34	1.66	2.02	1.99		24.8	66514
8.00	4.00	12.00				1.65	2.00	2.00		25.9	
10.20	1.60	11.80			1.89	2.48	3.01	1.19		30.7	66515
10.00	4.00	14.00				2.47	3.00	1.00		31.0	
8.20	1.35	9.55			0.53	0.85	1.03	1.07		19.2	66520
8.20	4.00	12.00				0.82	1.00	1.00		19.7	
8.30	1.05	9.35			0.53	0.84	1.02	2.27		21.6	66521
8.00	4.00	12.00				0.82	1.00	2.00		21.7	
8.35	1.10	9.45			0.53	0.84	1.02	3.14		23.5	66522
8.00	4.00	12.00				0.82	1.00	3.00		23.7	
10.30	1.30	11.60			0.54	0.83	1.01	1.11		22.3	66523
10.00	4.00	14.00				0.82	1.00	1.00		22.7	
7.90	1.60	9.50			1.34	1.66	2.02	1.99		24.8	66524
8.00	4.00	12.00				1.65	2.00	2.00		25.9	
10.20	1.60	11.80			1.89	2.48	3.01	1.19		30.7	66525
10.00	4.00	14.00				2.47	3.00	1.00		31.0	
10.30	1.05	11.35			1.96	2.49	3.02		3.06	34.4	66526
10.00	4.00	14.00				2.47	3.00		3.00	35.0	
9.10	0.70	9.80			0.60	0.84	1.02	1.16		20.5	67149
8.50	0.80	9.30			0.63	0.91	1.10	1.04		19.7	67401
8.40	0.75	9.15			0.66	0.86	1.04	1.06		19.3	67715
8.80	0.80	9.60			0.67	0.87	1.06	1.23		20.3	67717
8.30	0.90	9.20			0.80	0.80	0.97	1.16		19.1	67718
8.00	4.00	12.00				0.82	1.00	1.00		19.7	
8.65	1.10	9.75			0.59	0.86	1.04	2.19		22.1	67719
8.35	1.15	9.50			0.56	0.81	0.98	1.90		20.8	67720
8.00	4.00	12.00				0.82	1.00	2.00		21.7	
8.60	0.90	9.50			0.80	0.80	0.97	3.04		23.3	67402
8.00	4.00	12.00				0.82	1.00	3.00		23.7	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
67721	The American Agricultural Chem. Co., Inc. †Michigan Carbon Works Corn and Wheat Phosphate	Skidmore, Spencer Hdw. Co., Elizabeth- town
67150	†Homestead A. Bone Black Fertilizer	Guaranteed
67152		Woodson Lewis and Son, Greensburg..
67722		Lebanon Implement Co., Lebanon..
67723		J. F. Collings, Shepherdsville
67724		Lebanon Carriage and Implement Co., Lebanon
67154	†Homestead Tobacco Grower	J. H. Schoolcraft, Somerset
67156		Guaranteed
67159	Michigan Carbon Works High Grade Fertilizer	Brownlee, Kennedy and Crutcher, Mun- fordville
67160		J. R. Davis and Bro., Campbellsville..
67161		Guaranteed
66709	Homestead Tobacco Grower (con- taining Potash from Muriate)	Burks Bros. and Edwards, Upton.....
67166	†N-W Horseshoe Br. Dark Tobacco Grower	E. S. Ferrill and Son, Buffalo.....
67730	N-W Horseshoe Br. Sure Crop	J. R. Davis and Bro., Campbellsville..
66545	N-W Horseshoe Br. Potash Manure	Guaranteed
67167	†N-W Horseshoe Br. Corn and Wheat Phosphate	Manufacturer
67409	N-W Horseshoe Br. Challenge Corn Grower	Guaranteed
67731		E. S. Ferrill and Son, Buffalo.....
67900		D. M. Brakefield, Adairville
67412	N-W Horseshoe Br. Tobacco Grower	Grayson County Supply Co., Leitchfield Sam Terry, Big Clifty
67413	N-W Horseshoe Br. High Grade Fertilizer	Guaranteed
		A. B. Sellers, Sebree
		Guaranteed
		Wm. Addams and Co., Cynthiana
		Guaranteed

TABLE II.

Available	PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
	Insoluble	Total	Fine Bone	Medium	Bone	Water Soluble	Total		Muriate	Sulfate		
9.90	1.30	11.20				0.69	0.91	1.10	1.28		22.5	67721
10.00	4.00	14.00				0.82	1.00	1.00	1.00		22.7	
8.40	1.40	9.80				1.55	2.00	2.43	1.63		26.4	67150
7.90	1.30	9.20				1.61	2.02	2.45	1.61		25.5	67152
7.60	1.65	9.25				1.72	2.07	2.51	1.69		25.8	67722
8.10	1.50	9.60				1.61	2.06	2.50	1.54		26.1	67723
7.80	1.70	9.50				1.82	2.19	2.66	1.78		26.9	67724
8.00	4.00	12.00				2.06	2.50	1.50			26.9	
10.80	1.00	11.80				2.22	2.63	3.19		3.12	36.0	67154
9.30	2.00	11.30				2.02	2.41	2.93	1.00	2.09	33.0	67156
10.00	4.00	14.00				2.47	3.00			3.00	35.0	
8.40	1.00	9.40				2.02	2.36	2.87	6.09		37.0	67159
8.40	1.10	9.50				2.00	2.29	2.78	6.13		36.8	67160
8.50	0.70	9.20				2.08	2.36	2.87	6.07		37.0	67161
8.00	4.00	12.00				2.47	3.00	6.00			38.0	
10.30	1.05	11.35				1.96	2.49	3.02		3.06	34.4	66709
10.00	4.00	14.00				2.47	3.00	3.00			35.0	
8.50	0.80	9.30				0.64	0.88	1.07	1.31		20.1	67166
8.00	4.00	12.00				0.82	1.00	1.00	1.00		19.7	
8.50	1.10	9.60				0.59	0.83	1.01	2.32		22.0	67730
8.00	4.00	12.00				0.82	1.00	2.00			21.7	
8.35	1.10	9.45				0.53	0.84	1.02	3.14		23.5	66545
8.00	4.00	12.00				0.82	1.00	3.00			28.7	
9.40	1.40	10.80				0.68	0.89	1.08	1.21		21.5	67167
10.00	4.00	14.00				0.82	1.00	1.00			22.7	
8.30	1.40	9.70				1.48	1.76	2.14	2.19		26.2	67409
7.60	1.25	8.85				1.34	1.65	2.00	2.14		24.4	67731
8.50	1.30	9.80				1.31	1.62	1.97	2.17		25.7	67900
8.00	4.00	12.00				1.65	2.00	2.00			25.9	
8.40	1.70	10.10				1.38	1.70	2.06		4.48	30.7	67412
8.00	4.00	12.00				1.65	2.00			5.00	31.9	
8.20	1.50	9.70				2.10	2.44	2.96	6.20		37.5	67413
8.00	4.00	12.00				2.47	3.00	6.00			38.0	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
66558	The American Agricultural Chem. Co., Inc. Packer's Boar's Head Br. Faultless Grain Grower	Manufacturer Guaranteed
66559	Packer's Boar's Head Br. Sure Crop.	Manufacturer Guaranteed
66560	Packer's Boar's Head Br. Sure Growth	Manufacturer Guaranteed
66561	Packer's Boar's Head Br. Corn and Wheat Phosphate	Manufacturer Guaranteed
66562	Packer's Boar's Head Br. Corn and Wheat Grower	Manufacturer Guaranteed
66563	Packer's Boar's Head Br. Tobacco and Truck Grower	Manufacturer Guaranteed
66564	Packer's Boar's Head Br. High Grade Tobacco Grower	Manufacturer Guaranteed
66566	Packer's Boar's Head Br. High Grade Vegetable Fertilizer	Manufacturer Guaranteed
67417	Armour Fertilizer Works, Louisville, Cincinnati, Nashville † Armour's 1-12-1 Fertilizer	Manufacturer Guaranteed
66428	Big Crop 2-16-2 Fertilizer	D. M. Brakefield, Adairville
67180	Big Crop Bone Meal	Guaranteed
67742		J. W. Schoolcraft, Somerset
67183	Big Crop Dark Tobacco Grower	Wilson, Winn and Co., Russellville
67185	Big Crop Burley Tobacco Grower	Guaranteed
67186		G. R. Greider, Liberty
67188	Big Crop Plant Bed Special	Guaranteed
67189		Cantrell and Penick, Greensburg
67424	Big Crop Black Patch Special	Bert Hodges, Munfordville
67425		Guaranteed
		Durham Implement Co., Danville
		J. F. Collings, Shepherdsville
		Guaranteed
		Cadiz Hardware Co., Cadiz
		A. E. Cook, Hawesville
		Guaranteed

TABLE II.

Available Phosphoric Acid	PERCENTAGE OF FINENESS			NITROGEN			POTASH		Index of Relative Value	Station Number
	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	
8.20	1.35	9.55			0.53	0.85	1.03	1.07		19.2
8.00	4.00	12.00			-	0.82	1.00	1.00		19.7
8.30	1.05	9.35			0.53	0.84	1.02	2.27		21.6
8.00	4.00	12.00			-	0.82	1.00	2.00		21.7
8.35	1.10	9.45			0.53	0.84	1.02	3.14		23.5
8.00	4.00	12.00			-	0.82	1.00	3.00		23.7
10.30	1.30	11.60			0.54	0.83	1.01	1.11		22.3
10.00	4.00	14.00			-	0.82	1.00	1.00		22.7
7.90	1.60	9.50			1.34	1.66	2.02	1.99		24.8
8.00	4.00	12.00			-	1.65	2.00	2.00		25.9
10.20	1.60	11.80			1.89	2.48	3.01	1.19		30.7
10.00	4.00	14.00			-	2.47	3.00	1.00		31.0
10.30	1.05	11.35			1.96	2.49	3.02		3.06	34.4
10.00	4.00	14.00			-	2.47	3.00		3.00	35.0
7.95	1.35	9.30			1.34	1.66	2.02		5.87	32.5
8.00	4.00	12.00			-	1.65	2.00		5.00	31.9
10.80	2.40	13.20			0.50	0.91	1.10	1.05		23.8
<i>12.00</i>	1.00	13.00			-	0.82	1.00	1.00		24.5
20.80	0.50	21.30			0.65	0.65	0.79	0.55		35.8
<i>16.00</i>	2.00	18.00			-	1.65	2.00	2.00		36.7
		25.80	75	25	-	2.97	3.61			35.5
		25.75	66	34	0.72	3.37	4.09			37.5
		27.00			-	2.47	3.00			34.0
7.60	1.80	9.40			0.97	1.78	2.16		3.34	27.7
8.00	1.00	9.00			-	1.65	2.00		4.00	28.7
7.60	1.50	9.10			1.19	2.31	2.80		5.61	34.8
8.60	1.30	9.90			1.17	2.24	2.72	0.56	4.38	34.5
8.00	1.00	9.00			-	2.47	3.00		6.00	36.8
9.80	1.00	10.80			1.09	2.02	2.45	1.00	2.46	32.1
8.10	1.00	9.10			1.59	3.05	3.70		2.89	33.6
8.00	1.00	9.00			-	3.29	4.00		3.00	34.9
8.40	1.80	10.20			1.31	2.19	2.66	0.84	4.12	34.2
8.30	2.50	10.80			1.58	2.09	2.54	3.84	0.95	33.5
8.00	1.00	9.00			-	2.47	3.00		6.00	36.8

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
67427	Armour Fertilizer Works Big Crop 2-12-6 Fertilizer	Brooks and Street, Whitesville
67429		A. A. Clay and Sons, Indian Fields.....
67430	Big Crop 0-10-10 Fertilizer	Guaranteed
67431	Big Crop Superior Tobacco Grower	Harrodsburg Implement Co., Harrodsburg
67435	Big Crop 4-12-0 Fertilizer	Guaranteed
67440	Calumet Fertilizer Co., New Albany, Ind. Calumet Brand Potato and Tobacco Special	Wilson, Winn and Co., Russellville
67441	Calumet Brand Onion and Tobacco Grower	Guaranteed
67442	Calumet Brand Crop Grower	Freemd and Donovan, Eminence
67901		Guaranteed
66764	Calumet Brand Ten Ten Hummer	Patrick Dillon, Hardinsburg
67747	Consolidated Chemical Co., Louisville, Ky. Camel Brand Corn and Wheat Special	Guaranteed
67446	Camel Brand Vegetable, Potato and Tobacco Special	Vine Grove Feed Co., Vine Grove
67192	Camel Brand Blue Grass Tobacco Grower	Guaranteed
67447	Camel Brand Extra High Grade Tobacco Fertilizer	L. C. Goering and Sons, Hawesville
67448		Vine Grove Feed Co., Vine Grove
67193	Camel Brand Tobacco Fertilizer	Guaranteed
67449	Camel Brand Beef, Blood and Bone	J. W. Sweeney, Waynesburg
67450		Guaranteed
67451		Farmers Supply Co., Hodgenville
		Guaranteed
		Grant North, Salt Lick
		Guaranteed
		J. W. Sweeney, Waynesburg
		Guaranteed
		W. A. Davis and Son, Jeffersontown
		J. Albert Stewart, Gracey
		Guaranteed
		Farmers Supply Co., Hodgenville
		Guaranteed
		G. H. Hinton, Whitesville
		Grant North, Salt Lick
		W. G. Kirk and E. F. Rice, Fordsville
		Guaranteed

Analyses of Commercial Fertilizers.

265

TABLE II.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine	Bone	Water Soluble	Total		Muriate	Sulfate		
10.00	2.80	12.80			0.95	1.39	1.69	5.54		34.2	67427
11.30	1.00	12.30			1.14	1.70	2.06	4.54		35.0	67429
12.00	1.00	13.00				1.65	2.00	6.00		38.7	
11.10	0.80	11.90						7.48		31.9	67430
10.00	1.00	11.00						10.00		35.4	
9.20	1.90	11.10						1.28	1.81	20.7	67431
10.00	1.00	11.00							5.00	25.4	
13.45	1.05	14.50			1.89	2.34	2.84			32.3	67435
12.00	1.00	13.00				3.29	4.90			34.9	
8.40	0.75	9.15			0.62	1.60	1.94	4.42		29.7	67440
8.00	4.00	12.00				1.65	2.00	5.00		31.9	
8.45	1.40	9.85			0.25	0.80	0.97	3.18		23.6	67441
8.00	4.00	12.00				0.82	1.00	3.00		23.7	
7.80	1.80	9.60			0.39	0.98	1.19	1.31		19.9	67442
7.40	1.30	8.70			0.27	0.78	0.95	1.12		17.8	67901
8.00	4.00	12.00				0.82	1.00	1.00		19.7	
10.50	1.20	11.70						10.61		37.5	66764
10.00	4.00	14.00						10.00		36.6	
10.90	0.90	11.80			0.28	0.55	0.67	1.34		22.1	67747
11.00	4.00	15.00				0.41	0.50	1.00		21.8	
11.30	0.50	11.80			0.70	0.98	1.19	2.85		27.8	67446
11.00	4.00	15.00				0.82	1.00	3.00		28.2	
8.60	0.50	9.10			1.15	1.39	1.69	0.64	3.75	28.8	67192
8.00	4.00	12.00				1.23	1.50		4.00	27.8	
9.95	0.45	10.40			1.34	1.73	2.10	4.41		32.0	67447
10.00	0.65	10.65			1.35	1.72	2.09	3.56	0.57	32.1	67448
10.00	4.00	14.00				1.65	2.00	4.00		32.9	
8.60	0.50	9.10			1.05	1.61	1.95	0.92	1.24	25.5	67193
8.00	4.00	12.00				1.65	2.00		2.00	25.9	
8.35	0.35	8.70			1.11	1.85	2.25	1.99		25.9	67449
8.25	0.35	8.60			1.12	1.81	2.20		2.31	26.2	67450
7.95	0.85	8.80			0.92	1.59	1.93	1.76	0.37	24.5	67451
8.00	4.00	12.00				1.65	2.00	2.00		25.9	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
37452	Consolidated Chemical Co. Camel Brand 3-8-6 Tobacco Grower	Grant North, Salt Lick G. H. Hinton, Whitesville Guaranteed
67453		
67194	Camel Brand 3-8-6 Tobacco Fertilizer	Farmers Supply Co., Hodgenville
67195		W. B. Guky, Nancy Guaranteed
67107	Camel Brand Blue Grass Tobacco Fertilizer	Manufacturer Guaranteed
	Duncan and Sherley, La Grange, Ky.	
67454	Tiger Brand Pure Bone Meal	Manufacturer's Warehouse
	The Empire Guano Co., Nashville, Tenn.	Guaranteed
67460	Burley Tobacco Grower	J. H. Wyan, London
	Farmers' Union Supply Co. of Kentucky, Louisville, Ky.	Guaranteed
67471	Farmers' Union Tobacco Grower	Farmers' Union, La Grange
67472	Farmers' Union General Crop Fertilizer	Guaranteed
	Federal Chemical Co., Inc., Louisville, Ky.	Farmers' Union, La Grange
67474	Tip Top Potato Grower	St. Matthews Produce Exchange, St. Matthews
		Guaranteed
67475	+Plant Bed Special	Chiles and Thompson, Mt. Sterling
67753	Standard Corn and Wheat Grower	Guaranteed
67205	+Special Tobacco Maker	Chas. R. Cabell, Gresham
67477	+Beef, Blood and Bone	Guaranteed
67755	+Loam Land Fertilizer	A. W. Tarter, Columbia
67208	+Special Tobacco and Potato Grower	Guaranteed
67209		Grayson County Supply Co., Leitchfield
		R. F. Collier, Paris
		Guaranteed
		Lake Bros., Springfield
		C. Cardell, Pine Knot
		Guaranteed

TABLE II.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		POTASH		Index of Relative Value	Station Number	
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Muriate	Sulfate			
8.20	0.35	8.55			1.52	2.24	2.72	0.60	5.41	35.7	67452
8.30	0.90	9.20			1.80	2.39	2.90	3.40	2.17	35.9	67453
8.00	4.00	12.00				2.47	3.00	6.00		38.0	
8.35	0.90	9.25			1.79	2.23	2.71	2.44	3.34	35.6	67194
8.65	0.40	9.05			1.73	2.49	3.02	1.00	5.14	37.9	67195
8.00	4.00	12.00				2.47	3.00		6.00	38.0	
7.05	0.90	7.95			1.56	2.18	2.65	6.83		35.5	67107
8.00	4.00	12.00				1.23	1.50	4.00		27.8	
		24.00	63	37	1.03	3.14	3.81			34.9	67454
		27.00				2.47	3.00			34.0	
7.90	2.20	10.10			1.70	2.44	2.96	4.62		34.2	67460
8.00	3.00	11.00				2.47	3.00		5.00	35.6	
10.40	0.60	11.00			1.30	1.69	2.05	3.36	0.82	32.7	67471
10.00	4.00	14.00				1.65	2.00	4.00		32.9	
7.80	0.80	8.60			1.21	1.62	1.97	3.40		26.9	67472
8.00	4.00	12.00				1.65	2.00	3.00		27.9	
10.00	0.60	10.60			2.12	3.31	4.02	0.60	3.92	40.8	67474
10.00	4.00	14.00				3.29	4.00		4.00	41.1	
10.70	0.80	11.50			1.48	2.76	3.35	3.09		36.4	67475
10.00	4.00	14.00				2.47	3.00		3.00	35.0	
8.05	0.85	8.90			0.42	1.57	1.91	1.91		24.1	67753
8.00	4.00	12.00				1.65	2.00	2.00		25.9	
10.30	1.00	11.30			0.84	1.81	2.20	2.41		29.7	67205
10.00	4.00	14.00				1.65	2.00	2.00		28.9	
10.50	1.10	11.60			0.31	1.64	1.99	1.89		28.2	67477
10.00	4.00	14.00				1.65	2.00	2.00		28.9	
12.55	1.05	13.60			0.54	1.58	1.92	2.12		31.4	67755
12.00	4.00	16.00				1.65	2.00	2.00		31.9	
7.90	1.20	9.10			1.95	2.61	3.17	0.92	6.22	39.7	67208
6.80	0.40	7.20			1.60	2.91	3.53	5.00	1.69	38.3	67209
8.00	4.00	12.00				2.47	3.00		6.00	38.0	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Federal Chemical Co., Inc.	
67211	High Grade Tobacco Grower	S. O. Powell Gilpin
67480		M. G. Parman, London
67481		Goodman Bros., Shelbyville
67482	A-1 Corn and Wheat Fertilizer	Guaranteed
67483		M. G. Parman, London
67484	A-1 Extra Tobacco Special	T. H. O'Bryan, Dawson Springs
67485		Guaranteed
67212	Potash Mixture	Gentry and McCauley, Versailles
67213	+20% Phosphate	Boone County Farm Bureau, Florence
67756		Guaranteed
67214	Pure Bone	Smith and Smith, Shepherdsville
67757		Guaranteed
67758		W. H. Lyons, Loretto
67759		Chas. R. Cabell, Gresham
67215	Kentucky Tobacco and Potato Grower	Guaranteed
67487		E. F. Pearson, Franklin
67217	+Best Burley Tobacco Grower	Grayson County Supply Co., Leitchfield
67488		Planters Hardware Co., Hopkinsville
67218	Daybreak Wheat and Corn Special	Moss and Gibson, Crestwood
67219		Guaranteed
67220		A. W. Tarter, Columbia
67760		Chiles and Thompson, Mt. Sterling
67489	Daybreak Special Tobacco Grower	Guaranteed
67491	+Daybreak Raw Bone	Miller and Sons, Campbellsville
		H. B. Lander, La Fayette
		Guaranteed
		Ricey Wilson, Naney
		S. O. Powell, Gilpin
		Cardell and Wood, Pine Knot
		Grayson County Supply Co., Leitchfield
		Guaranteed
		H. E. Brown, Brandenburg
		Guaranteed
		St. Matthews Produce Exchange, St. Matthews
		Guaranteed
67763	+1st Prize Crop and Tobacco Grower	Farmers Union Supply Co., Russellville
66879	1st Prize Raw Bone	Guaranteed
		Manufacturer
		Guaranteed

TABLE II.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		POTASH		Index of Relative Value	Station Number	
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate		
8.70	0.75	9.45			1.88	3.17	3.85	2.20	2.05	37.7	67211
7.90	0.80	8.70			1.41	3.24	3.93	0.96	3.36	37.0	67480
8.70	0.90	9.60			1.62	2.66	3.23	2.28	2.26	35.5	67481
8.00	4.00	12.00				3.29	4.00		4.00	38.1	
14.30	0.70	15.00				0.98	1.19			26.6	67482
13.90	1.30	15.20			0.30	0.81	0.98			25.4	67483
14.00	4.00	18.00				0.82	1.00			26.7	
9.80	1.90	11.70			2.18	3.23	3.92			31.6	67484
9.30	0.60	9.90			1.85	3.73	4.53			32.8	67485
10.00	4.00	14.00				3.29	4.00			33.1	
12.20	0.50	12.70						2.87		24.2	67212
10.00	2.00	12.00						4.00		23.8	
18.70	0.60	19.30								22.4	67213
18.80	0.70	19.50								22.6	67756
20.00	2.00	22.00								24.0	
			23.35	88	12	0.58	3.65	4.43		36.9	67214
			28.60	73	27	0.41	1.24	1.51		29.1	67757
			28.80	76	24	0.51	1.25	1.52		29.3	67758
			28.30	70	30	0.43	1.31	1.59		29.2	67759
			30.00				1.03	1.25			
7.70	0.40	8.10			1.42	2.73	3.31	4.04	3.09	39.6	67215
8.00	0.50	8.50			1.26	2.47	3.00	0.84	5.19	36.6	67487
8.00	4.00	12.00				2.47	3.00	6.00		38.0	
8.50	0.65	9.15			0.96	1.70	2.06	5.84	2.08	37.4	67217
8.30	0.70	9.00			1.16	1.54	1.87	8.27		37.0	67488
8.00	4.00	12.00				1.65	2.00		7.50	36.9	
11.55	0.80	12.35			0.45	0.45	0.55	1.00	0.64	23.2	67218
11.50	0.50	12.00				0.47	0.57	1.32		22.4	67219
11.30	1.55	12.85			0.57	0.57	0.69	1.60		23.6	67220
10.50	1.30	11.80			0.24	0.69	0.84	1.52		22.8	67760
11.00	4.00	15.00				0.41	0.50	1.00		22.2	
7.10	0.80	7.90			0.56	1.49	1.81	1.16	5.77	32.3	67489
8.00	4.00	12.00				1.23	1.50		6.00	31.8	
			20.25	67	33		4.07	4.94		36.6	67491
			22.00				3.71	4.50		36.2	
8.20	3.20	11.40			0.46	1.09	1.82	2.95		24.9	67763
8.00	4.00	12.00				0.82	1.00		4.00	25.7	
			20.00	72	28		4.72	5.73		39.6	66879
			22.00				3.71	4.50		36.2	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
67225	Fox Chem. Co., Br. Federal Chem. Co., Inc., Louisville, Ky. †Fox Blood, Bone Phosphate and Potash	Mart Hambling, Halley Hill N. B. Triplett, Waynesburg
67229	Fox Formula	Guaranteed
67230		G. M. Hedrick, Monticello
67498	†Fox Special Tobacco Grower	T. Z. Leachman, Greensburg
67500	†Fox Standard Phosphate	Guaranteed
66905	Fox Raw Bone	Julia Dawson and Son, Adairville
67503	Globe Fert. Co., Branch Federal Chemical Co., Inc., Louisville, Ky. †Globe Blood, Bone Phosphate and Potash	Guaranteed
67773		D. S. French, Whitesville
67504	†Globe Grain and Grass Grower	Guaranteed
67775	†Globe Wheat and Grain Special	Trent and Mitcham, Irvington
67776	†Progress Corn and Wheat Grower	I. K. Miller and Son, Campbellsville
67905	Braden Formula	Guaranteed
67238	†Universal Crop and Tobacco Grower	Bressler, Son and Co., Owensboro
67508	Eagle Wheat and Corn Grower	Guaranteed
67241	†Big Four Tobacco Grower	Harvey Stout and Sons, Fern Creek
67509		Guaranteed
67242	†Kentucky Tobacco Maker	Harvey Stout and Son, Fern Creek
67510	†Ky. Standard Tobacco Grower	Guaranteed
67511		Vine Grove Feed Co., Vine Grove
67512	†Globe Special Tobacco Grower	Guaranteed
67514		Harmon and McNally, Junction City
		Guaranteed
		A. T. Warder, Epworth
		Guaranteed
		E. F. Pearson, Franklin
		Guaranteed
		Randolph Bros. and Co., Bandana
		W. T. Collins Co., Frankfort
		Guaranteed
		Trent and Mitcham, Irvington
		W. H. Broach, Murray
		Guaranteed

TABLE II.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		POTASH		Index of Relative Value	Station Number	
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate		
11.85	0.85	12.70			0.44	0.53	1.11			22.5	67225
11.70	0.80	12.50			0.42	0.51	1.06			22.1	67765
11.00	4.00	15.00			0.41	0.50	1.00			22.2	
10.35	1.05	11.40			0.76	1.08	1.31	3.46		28.3	67229
11.25	1.40	12.65			0.47	0.96	1.17	3.23		28.7	67230
11.00	4.00	15.00				0.82	1.00	3.00		28.2	
8.30	2.10	10.40			0.59	1.59	1.93	4.75		30.7	67498
8.00	4.00	12.00				1.65	2.00		5.00	31.9	
10.40	4.80	15.20								11.5	67500
12.00	2.00	14.00								14.4	
		20.00	72	28	4.72	5.73				39.6	66905
		22.00			3.71	4.50				36.2	
9.65	3.35	13.00			0.23	0.57	0.69	1.15		21.0	67503
12.00	0.90	12.90				0.41	0.50	1.14		22.7	67773
11.00	4.00	15.00				0.41	0.50	1.00		22.2	
11.55	1.00	12.55				0.46	0.56	1.05		22.1	67504
11.00	4.00	15.00				0.41	0.50	1.00		22.2	
12.10	1.10	13.20			0.33	0.89	1.08	1.16		25.4	67775
12.00	4.00	16.00				0.82	1.00	1.00		25.7	
10.70	0.70	11.40			0.35	0.88	1.07	1.94		24.6	67776
10.00	4.00	14.00				0.82	1.00	2.00		24.7	
11.55	0.65	12.20			0.22	0.88	1.07	3.21		28.4	67905
11.00	4.00	15.00				0.82	1.00	3.00		28.2	
8.00	1.90	9.90			0.28	0.81	0.98	4.06		24.9	67238
8.00	4.00	12.00				0.82	1.00		4.00	25.7	
8.40	0.65	9.05			0.89	1.65	2.00	1.80		24.7	67508
8.00	4.00	12.00				1.65	2.00	2.00		25.9	
7.90	2.05	9.95			0.74	1.61	1.95	2.31		25.3	67241
8.35	0.70	9.05			0.85	1.65	2.00	2.37		25.8	67509
8.00	4.00	12.00				1.65	2.00	2.00		25.9	
9.70	2.70	12.40			0.49	0.94	1.14	3.68		27.2	67242
10.00	4.00	14.00				1.65	2.00	2.00		28.9	
8.70	2.35	11.05			0.82	1.23	1.49	4.91		30.0	67510
8.80	0.90	9.70			0.61	1.58	1.92	3.04	1.86	31.3	67511
8.00	4.00	12.00				1.65	2.00		5.00	31.9	
7.10	2.80	9.90			1.29	2.27	2.76	1.00	8.46	42.0	67512
8.10	1.35	9.45			1.63	2.47	3.00	11.37		47.8	67514
8.00	4.00	12.00				2.47	3.00		10.00	46.0	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
67783	Globe Fert. Co., Br. Federal Chem. Co., Inc. Globe Raw Bone	Harvey Stout and Sons, Fern Creek . . . Vine Grove Feed Co., Vine Grove . . . Guaranteed . . .
67906		
67517	Groves Fertilizer Works, (The Joslin-Schmidt Co.) Cincinnati, O. †Square Brand 3-8-6	J. C. Everett and Co., Maysville . . . Guaranteed . . .
67520	Half and Half	Moore and Hughes, Leitchfield . . . Guaranteed . . .
66721	2-27 Bone	Manufacturer . . . Guaranteed . . .
66750	Hopkins Fertilizer Co., New Albany, Ind. Muriate Potash	Manufacturer . . . Guaranteed . . .
66754	Twenty Per Cent Acid Phosphate	Manufacturer . . . Guaranteed . . .
67255	International Agricultural Corporation, Inc., Cincinnati, O. †I. A. C. A-1 Tobacco Fertilizer	McKenzie and Herrin, Eubank . . . Guaranteed . . .
67797	I. A. C. Farmer's Favorite Manure	C. M. Langdon, Science Hill . . . Guaranteed . . .
67534	†I. A. C. Old Kentucky Special	W. E. Ellis, Hartford . . . C. M. Langdon, Science Hill . . .
67798		J. W. Bratcher, Berea . . . Guaranteed . . .
67799		
67260	I. A. C. Standard Potash Mixture	McKenzie and Herrin, Eubank . . . C. M. Langdon, Science Hill . . .
67261		The Auburn Mills, Auburn . . . Guaranteed . . .
67535		
67537	Buffalo Tobacco Special	Jos. Waggener, Blackford . . . Guaranteed . . .
67540	†Buffalo High Grade Tobacco Special	Jansen Hardware Co., Covington . . . Guaranteed . . .
67542	Buffalo Crop Grower . . .	V. B. Nuckols, Elkton . . . Guaranteed . . .
67543	†Buffalo Tobacco and Corn Grower	W. B. Davis, Princeton . . . Guaranteed . . .
67545	Buffalo Kentucky Standard	Harrodsburg Implement Co., Harrodsburg . . . Guaranteed . . .
67547	†Buffalo Corn and Grain Grower . . .	Jansen Hardware Co., Covington . . . Guaranteed . . .

TABLE II.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
			18.10	76	24	4.45	5.40			36.7	67783
			20.10	60	40	0.59	4.51	5.48		38.6	67906
			22.00			3.71	4.50			36.3	
8.45	1.50	9.95			0.43	1.45	1.76	8.19		36.9	67517
8.00	1.00	9.00				2.47	3.00	6.00		36.8	
7.20	8.70	15.90			0.35	1.63	1.98	2.25		26.9	67520
8.00	8.00	16.00				1.65	2.00	2.00		27.5	
			26.00	78	22	0.45	1.78	2.16		29.7	66721
			27.00			1.65	2.00			29.9	
19.10	1.80	20.90						48.20		96.4	66750
20.00	2.00	22.00						50.00		100.0	
										22.9	66754
										24.0	
10.05	1.35	11.40			1.18	1.63	1.98	4.63		33.0	67255
10.00	4.00	14.00				1.65	2.00		4.00	32.9	
9.70	1.40	11.10			0.51	0.83	1.01	3.13		25.5	67797
10.00	5.00	15.00				0.82	1.00	3.00		27.1	
8.20	1.10	9.30			0.59	0.81	0.98		3.04	22.9	67534
7.40	1.40	8.80			0.58	0.83	1.01	2.06		19.9	67798
9.15	0.80	9.95			0.53	0.53	0.64	2.13		21.0	67799
8.00	5.00	13.00				0.82	1.00	2.00		22.1	
10.10	1.20	11.30						5.00		25.6	67260
9.60	1.25	10.85						6.15		27.2	67261
10.35	1.00	11.35						4.57		25.1	67535
10.00	5.00	15.00						5.00		27.0	
8.60	0.75	9.35			1.07	1.76	2.14	10.08		42.2	67537
8.00	4.00	12.00				1.65	2.00		10.00	41.9	
9.65	1.10	10.75			1.03	1.59	1.93	4.15		31.2	67540
10.00	4.00	14.00				1.65	2.00		4.00	32.9	
11.35	1.10	12.45			0.93	1.28	1.55	2.61		29.1	67542
12.00	4.00	16.00				1.65	2.00	2.00		31.9	
7.25	0.85	8.10			0.94	1.46	1.77		1.84	22.2	67543
8.00	4.00	12.00				1.65	2.00		2.00	25.9	
9.85	1.50	11.35			0.51	0.86	1.04	3.41		26.5	67545
10.00	5.00	15.00				0.82	1.00	3.00		27.1	
8.70	1.00	9.70			0.46	0.81	0.98	2.24		22.0	67547
8.00	5.00	13.00				0.82	1.00	2.00		22.1	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
66655	International Agricultural Corporation, Inc. Buffalo Potash Mixture	Manufacturer Guaranteed
66480	The Jarecki Chemical Co., (Armour owned) Louisville, Cincinnati, Nashville Jarecki 2-16-2 Fertilizer	Manufacturer Guaranteed
67267	Jarecki Burley Tobacco Grower	A. W. Tartar, Columbia
67556		Farmers Union Supply Co., Lawrenceburg
67268	Ky. Fert. Co., Br. Federal Chem. Co., Inc., Louisville, Ky. O. K. Grain Grower	Guaranteed
67269	O. K. Tobacco Fertilizer	Smith and Smith, Shepherdsville
67560	O. K. High Grade Mixture	Guaranteed
66954	O. K. Raw Bone	Frank Carpenter, Augusta
67568	Knoxville Fertilizer Co., Knoxville, Tenn. Bright Burley Brand	Guaranteed
67568	Louisville Fertilizer Co., (Armour owned), Louisville, Cincinnati, Nashville	Smith and Smith, Shepherdsville
67819	Louisville 20% Acid Phosphate	Barnett Bros., London
67570	Louisville 2-8-2 Fertilizer	Guaranteed
66446	Louisville 2-16-2 Fertilizer	J. T. Brown, Spurlington
67281	Louisville Burley Tobacco Grower	Guaranteed
67573		M. B. Wallingford, Mt. Carmel
67283	Louisville Plant Bed Special	Guaranteed
66692	Mt. Pleasant Fert. Co., Inc., (Subsidiary of Virginia-Carolina Chem. Co.), Memphis, Nashville Mt. Pleasant High Grade Acid Phosphate	R. J. Wilcox, Greensburg
		D. L. D. Sandefur, Beaver Dam
		T. E. Richardson, Campbellsville
		Guaranteed
		Manufactuer
		Guaranteed

TABLE II.

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
67579	Mt. Pleasant Fert. Co., Inc., (Subsidiary of Virginia-Carolina Chem. Co.) Mt. Pleasant High Grade Tobacco Grower	J. W. Spurrier, Whitesville Guaranteed
66704	Mt. Pleasant 10-4-0	Manufacturer
67825	Mt. Pleasant Half and Half	Guaranteed
66708	Mt. Pleasant Raw Bone Meal	Mrs. Myrtle Scruggs, Adairville Guaranteed
67583	Mt. Pleasant 10-3-3	Manufacturer
Price Chemical Co., Inc., Louisville, Ky.		Guaranteed
67585	Special Corn and Wheat Fertilizer	Union Store, Buechel
67586		Thos. S. Dodson, Constantine
67828		D. L. D. Sandefur, Beaver Dam
67587	Walter Crady's Veg. Pot. and Tob. Special	Guaranteed
67588		Moore and Hughes, Leitchfield
67288	One-Ten-One Fertilizer	Union Store, Buechel
67289	Ky. Blue Grass Tobacco Special	Guaranteed
67290		J. C. Holt, Irvine's Store
67829		Guaranteed
67291	Extra High Grade Tobacco Fertilizer	H. F. Upchurch, Susie
67590		I. K. Miller and Sons, Campbellsville
67591	3-8-6 Tobacco Grower	I. K. Miller and Sons, Campbellsville
67592	3-8-6 Tobacco Fertilizer	Guaranteed
67593	High Grade Tobacco Bed Special	Snow and Grubb, Kidd's Store
67596	High Grade Phosphate	A. D. Roberts, Hawesville
67834	Raw Bone	Guaranteed
67106	Ky. Blue Grass Tobacco Fertilizer	A. D. Roberts, Hawesville

TABLE II.

Available	PHOSPHORIC ACID		PERCENTAGE OF FINENESS		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
10.60	7.60	18.20			1.29	1.56	1.89	2.00		30.7	67579
8.00	4.00	12.00				1.65	2.00	3.00		27.9	
9.15	8.50	17.65			2.91	3.85	4.67			36.4	66704
10.00	4.00	14.00				3.29	4.00			33.1	
9.05	12.90	21.95			0.26	1.94	2.36			28.4	67825
10.00	10.00	20.00				1.65	2.00			27.3	
		22.05	89	11	0.29	1.88	2.28			27.0	66708
		23.00				3.71	4.50			36.2	
9.90	8.30	18.20			1.44	1.81	2.20		2.88	33.0	67583
10.00	2.00	12.00				2.47	3.00	3.00		34.2	
11.55	1.10	12.65			0.31	0.56	0.68	0.50		21.6	67585
12.00	0.60	12.60			0.33	0.50	0.61	1.69		24.1	67586
11.35	1.00	12.35			0.31	0.56	0.68	0.94		22.1	67828
11.00	4.00	15.00				0.41	0.50	1.00		22.2	
11.60	0.70	12.30			0.48	0.83	1.01	3.64		29.1	67587
11.20	1.10	12.30			0.67	0.98	1.19	3.16		28.5	67588
11.00	4.00	15.00				0.82	1.00	3.00		28.2	
10.70	0.50	11.20			0.69	0.98	1.19	1.05		23.3	67288
10.00	4.00	14.00				0.82	1.00	1.00		22.7	
9.10	0.60	9.70			0.82	1.24	1.51	0.84	2.69	27.2	67289
8.10	0.90	9.00			1.14	1.46	1.77		3.90	27.6	67290
8.60	0.60	9.20			0.89	1.20	1.46	4.39		27.9	67829
8.00	4.00	12.00				1.23	1.50		4.00	27.8	
11.40	0.30	11.70			1.33	1.74	2.11	4.04		34.0	67291
10.70	0.80	11.50			1.18	1.52	1.85	3.92		31.8	67590
10.00	4.00	14.00				1.65	2.00	4.00		32.9	
8.40	1.00	9.40			1.67	2.27	2.76	5.55		35.5	67591
8.00	4.00	12.00				2.47	3.00	6.00		38.0	
8.50	0.50	9.00			1.73	2.38	2.89	0.60	5.38	36.8	67592
8.00	4.00	12.00				2.47	3.00		6.00	38.0	
10.80	0.70	11.50			2.79	3.18	3.86			32.4	67593
10.00	4.00	14.00				3.29	4.00			33.1	
14.85	1.40	16.25								17.8	67596
16.00	2.00	18.00								19.2	
		18.00	78	22	0.24	4.20	5.10			35.4	67834
		22.00				3.71	4.50			36.2	
6.95	1.20	8.15			1.63	2.23	2.71	6.73		35.5	67106
8.00	4.00	12.00				1.23	1.50	4.00		27.8	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
67835	Price Chemical Co., Inc. Miller's Special	I. K. Miller and Sons, Campbellsville..
67689	Price's Half Bone and Phosphate	Guaranteed
67607	Read Phosphate Co., Nashville Tenn.	Manufacturer
67608	Read's Prize Tobacco Grower	Guaranteed
67303	Read's Standard Grain Grower	I. K. Miller and Sons, Campbellsville..
67844	†Read's Corn and Wheat Grower	Guaranteed
67610	†Read's Kentucky Special	J. H. Jasper, Somerset
67846		Guaranteed
67849	†Read's High Grade Potash Mixture	J. H. Jasper, Somerset
67318	†Read's High Grade Tobacco and Truck Grower	Guaranteed
67319		Barren County Grocery and Hardware Co., Glasgow
67856		I. K. Miller and Sons, Campbellsville..
67857		Hollingsworth Young Hdw. Co., Bow- ling Green
67617	†Old Kentucky Tobacco Special	J. H. Jasper, Somerset
		Guaranteed
		Lincoln County Farm Bureau, Stanford
67054	The Smith Agricultural Chemical Co., Columbus, O.	Guaranteed
67046	Smith's Standard 10-10	
66394	Smith Brothers, New Albany, Ind.	Manufacturer
67320	Tankage and Phosphate	Guaranteed
67323	Swift and Co., Inc., National Stock Yards, Ill.	Manufacturer
67323	Swift's Red Steer 3-12-4 Fertilizer	Guaranteed
67323	†Swift's Red Steer 3-8-6 Fertilizer	W. E. Burress and Co., Greensburg..
67323	†Swift's Diamond "W" Veg. and Tob. Grower	Guaranteed
		J. F. Collings, Shepherdsville
		Guaranteed

TABLE II.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		POTASH		Index of Relative Value	Station Number	
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate		
12.65	0.65	13.30			0.41	0.50				21.3	67835
12.00	4.00	16.00			0.41	0.50				21.7	
15.30	5.50	20.80			0.90	1.64	1.99			33.4	67689
17.00	3.00	20.00				0.82	1.00			30.8	
8.80	4.00	12.80			1.46	2.82	3.42	3.71		36.4	67607
9.60	2.00	11.60			1.81	2.53	4.29	2.82		33.5	67608
10.00	4.00	14.00				2.47	3.00		3.00	35.0	
10.10	7.30	17.40			0.29	0.82	1.00			22.2	67303
12.00	5.00	17.00				0.41	0.50			22.1	
9.05	9.35	18.40			0.24	0.59	0.72	0.52	0.47	22.3	67844
11.00	4.00	15.00				0.41	0.50	1.00		22.2	
9.00	10.80	19.80			0.20	0.75	0.91	2.44		26.5	67610
9.45	8.00	17.45				0.52	0.63	2.16	0.89	26.1	67846
8.00	5.00	13.00				0.41	0.50	4.00		24.1	
11.35	7.80	19.15						2.41		25.0	67849
10.00	8.00	18.00						4.00		26.2	
8.30	2.40	10.70			0.67	1.91	2.32	6.72		36.4	67318
9.25	3.60	12.85			0.72	1.55	1.88	1.32	5.40	36.5	67319
11.40	4.05	15.45			0.77	1.18	1.43	2.08	3.38	35.5	67856
9.60	10.00	19.60				0.98	1.19	4.64		32.6	67857
8.00	5.00	13.00				1.65	2.00		8.00	38.3	
6.70	7.00	13.70			1.85	2.50	3.04	6.71		38.8	67617
8.00	3.00	11.00				2.47	3.00		6.00	37.6	
9.15	0.70	9.85						10.22		34.5	67054
10.00								10.00		35.0	
16.25	1.35	17.60			0.31	1.17	1.42			30.8	67046
10.00	2.00	12.00				1.65	2.00			24.1	
12.90	0.50	13.40			2.43	2.43	2.95	2.08		35.9	66394
12.00	1.00	13.00				2.47	3.00	4.00		38.8	
7.60	1.30	8.90			2.06	2.61	3.17	5.34		35.7	67320
8.00	1.00	9.00				2.47	3.00	6.00		36.8	
7.20	1.60	8.80			1.01	1.54	1.87	2.24	0.82	25.3	67323
8.00	1.00	9.00				1.65	2.00	3.00		26.7	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
67633	Swift and Co., Inc. Swift's Superphosphate	J. L. Townsend, Clay Guaranteed
66463	Tennessee Chemical Co., (Armour owned), Louisville, Cincinnati, Nashville	Manufacturer Guaranteed
67650	Ox 2-16-2 Fertilizer	C. F. Roberts and Co., Olive Hill
67871	Ox 0-12-4 Fertilizer	Guaranteed
67872	Ox 3-27 Bone Meal	W. C. Granger, Franklin
67338	H. D. Jones, Glasgow	H. D. Jones, Glasgow
67654	Ox Burley Tobacco Grower	J. S. Duke, Crab Orchard
67656	Ox High Grade Tobacco Grower	Guaranteed
67874	P. A. Blackwell and Co., Henderson	Young Hardware Co., Hopkinsville
67350	Ox 2-8-5 Fertilizer	Guaranteed
67886	Virginia-Carolina Chem. Co., Inc., Cincinnati, Nashville, Memphis V-C Pacific Grain Grower	Brownlee, Kennedy and Crutcher, Muncie Guaranteed
67888	V-C Champion Corn and Wheat Grower	Burton Bros. and Tartar Bros., Somerset
67666	Guaranteed	Burton Bros. and Tartar Bros., Somerset
67668	R. M. Bagby Lumber Co., Grayson	Guaranteed
67013	R. M. Bagby Lumber Co., Grayson	Guaranteed
67020	V-C Beef, Blood and Bone B. B. B.	Wood, Stubbs and Co., Louisville, Ky.
67666	V-C Tobacco Plant Food	Manufacturer
67668	V-C Tobacco and Truck Special (Potash from Sulfate)	Guaranteed
67013	V-C Blue Grass Tobacco Grower (Potash from Sulfate)	Manufacturer
67020	Acme Wheat and Corn Grower	Guaranteed

TABLE II.

PHOSPHORIC ACID			PERCENTAGE OF FINENESS		NITROGEN		POTASH		Index of Relative Value	Station Number				
Available	Insoluble	Total	Fine	Bone	Medium	Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate			
7.60	1.20	8.80					1.44	1.44	1.75	1.90		22.9	67633	
8.00	1.00	9.00					1.65	2.00	2.00	2.00		24.7		
20.80	0.50	21.30					0.65	0.65	0.79	0.55		35.8	66463	
16.00	1.00	17.00						1.65	2.00	2.00			36.7	
13.85	0.60	14.45								1.84	0.86	26.4	67650	
12.00	1.00	13.00								4.00		26.4		
		25.85	68	32	0.61	3.11	3.78					36.2	67871	
		25.95	68	32	1.06	3.26	3.96					37.1	67872	
		27.00					2.47	3.00				34.0		
7.90	1.10	9.00					1.23	2.28	2.77	0.60	5.03	35.0	67338	
7.90	0.80	8.70					1.19	2.29	2.78	0.60	4.79	34.4	67654	
8.00	1.00	9.00						2.47	3.00		6.00	36.8		
10.20	1.10	11.30					0.99	1.45	1.76	1.64	4.86	36.0	67656	
10.00	1.00	11.00						1.65	2.00		10.00	43.7		
8.70	1.70	10.40					0.99	1.23	1.49	4.90		29.7	67874	
8.00	1.00	9.00						1.65	2.00	5.00		30.7		
13.50	5.00	18.50							1.21			24.7	67350	
12.00	1.50	13.50							2.00			22.6		
7.10	1.90	9.00					0.54	0.82	1.00	1.90		19.3	67886	
8.00	1.50	9.50						0.82	1.00	2.00		20.7		
7.80	1.80	9.60					1.16	1.48	1.80	1.44	0.48	23.7	67888	
8.00	1.50	9.50						1.65	2.00	2.00		24.9		
8.70	2.20	10.90					1.98	2.20	2.67			24.9	67666	
9.00	1.50	10.50						2.47	3.00			26.5		
7.95	1.00	8.95					1.88	2.13	2.59		6.23	35.4	67668	
8.00	1.50	9.50						2.47	3.00		6.00	37.0		
8.60	0.90	9.50					1.44	1.44	1.75		7.06	34.6	67013	
6.00	1.50	7.50						1.65	2.00		8.00	33.9		
11.40	9.95	21.35					0.27	0.56	0.68	0.42		24.7	67020	
10.00	4.00	14.00						0.41	0.50	1.00		20.7		

